Information Services-Related Opportunities for Employer Services—An Initial Review

November 19, 1991



Agenda

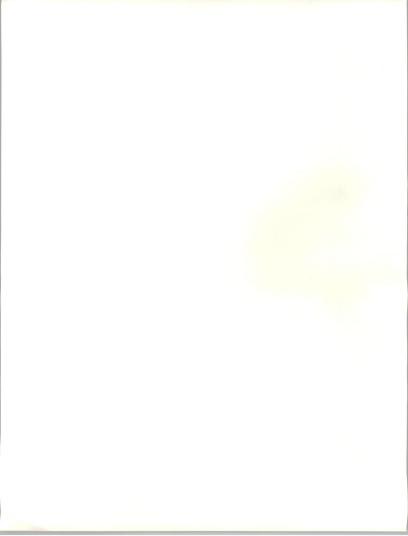
- · Overview of information services industry
- · INPUT's view of Employer Services
- INPUT's assessment of general opportunities for Employer Services
- Examination of specific service areas and opportunities
- Summary

YWAD1- 9

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Market Research and Consultancy
Information Technology and
Services Industry
17 Years in Business

80 Employees

MS-6

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California, New York, Washington D.C., London, Paris, Tokyo, Frankfurt Emphasis on Primary Research Experienced Senior Executives Comprehensive Forecasts

MS-7

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Information Services Industry Trends

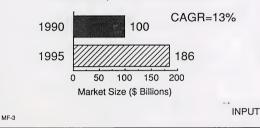
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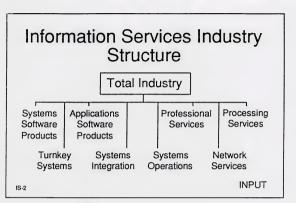
U.S. Information Services Market, 1990-1995



Notes

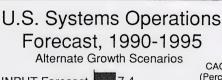
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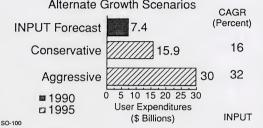




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"Old" Facilities Management

· Focus on computer operations

"New"

Systems Operations

· Development, planning, control, operations

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Types of Systems Operations

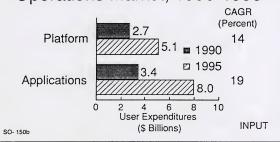
Type	Responsibilities	
Platform	Operations of computer systems and their networks	
Applications	Operations and applications software	
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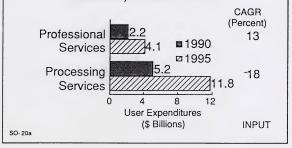
U.S. Commercial Systems Operations Market, 1990-1995

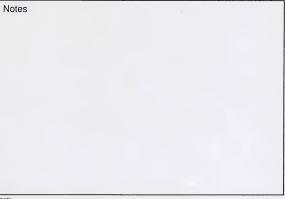






U.S. Systems Operations Market, 1990-1995







Characteristics of Types of Systems Operations

Location of	Ownership of	Main Computer
Main Computer	Vendor	Customer
Vendor Site	Processing Services	Processing Services
Customer Site	Professional Services	Professional Services
SO- 5	des	INPUT

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Characteristics of Types of Systems Operations

Location of	Dedication of	Main Computer	
Main Computer	Shared	Single Customer	
Vendor Site	Processing Services	Processing Services	
Customer Site	Professional Services	Professional Services	
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Systems Operations Driving Forces

- · Core business focus
- Business transition
- Expense reduction
- Capital preservation

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Systems Operations **Processing Services**

- · Fastest-growing processing market
- · Changing attitudes of IS executives
- Non-IS executive involvement
- Emerging systems vendors' strategies

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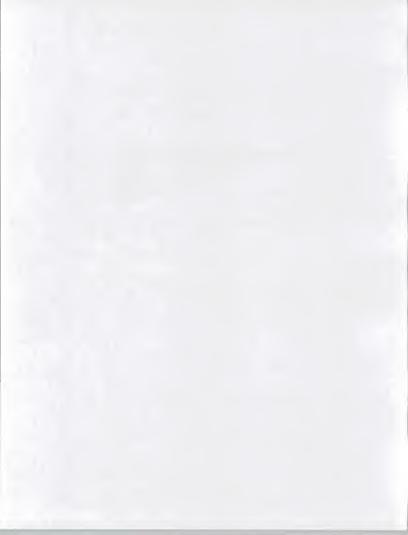
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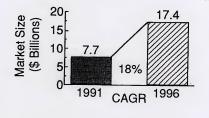


Systems Operations Efficiency Yields Profits Fixed-Priced Operations Profit Actual Costs Time INPUT

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U.S. Systems Integration Market 1991-1996



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SI-8



SI Definition

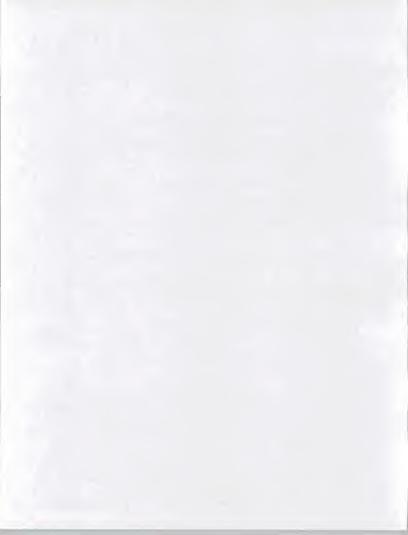
- Vendor-provided service
- Complete solution to complex requirement for:
 - Information systems
 - Networking
 - Automation

SI-2a

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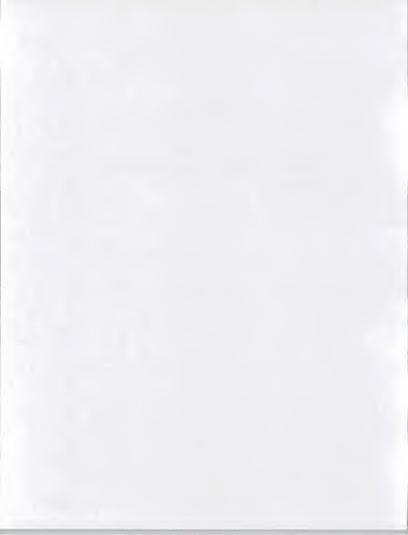
SI Definition

· Custom selection and implementation of products and services

SI-2b

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Major SI Buyer Issues

- · Core business focus
- · Competitive demands
- · Increasingly complex solutions

SI- 4

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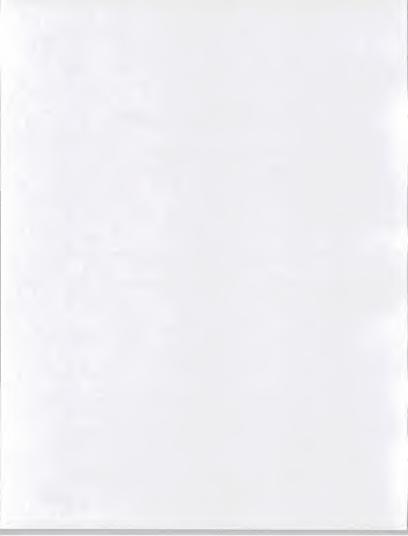
Major SI Buyer Issues

- · Users becoming buyers
- New technology application
- Unavailable skills

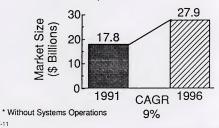
SI- 5

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U.S. Professional Services Market,* 1991-1996



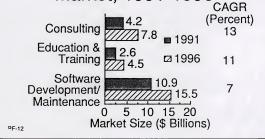
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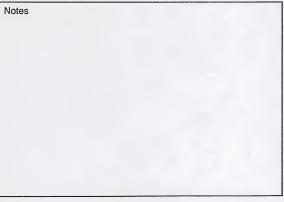


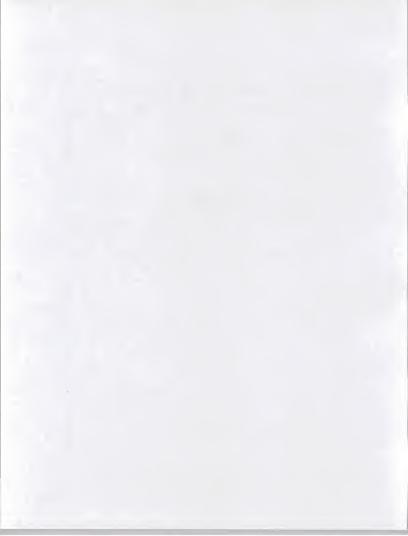
PF-11



U.S. Professional Services Market, 1991-1996







Professional Services Market—Driving Forces

- Lack of skilled personnel
- · Growth of network applications
- Amount of proprietary systems in use
- Growth of consulting services

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Professional Services Market—Growth Inhibitors

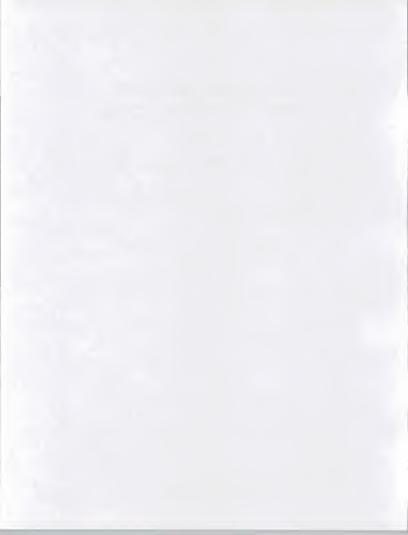
- · Economic downturn
- Increased power of application development tools
- Lack of personnel with critical technical skills

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Professional Services Market—Growth Inhibitors

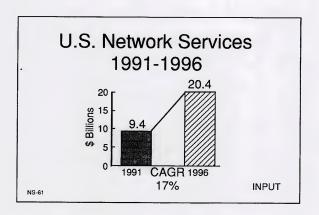
- · Movement of prospects to systems integration/ operations
- Slowing of information services industry

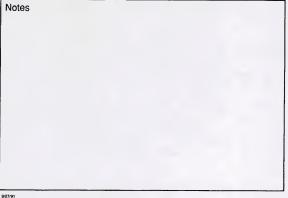
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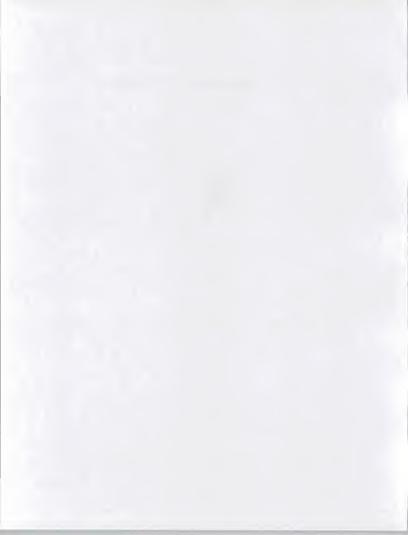
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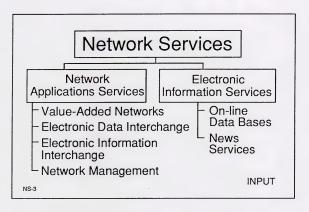
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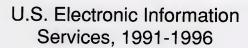


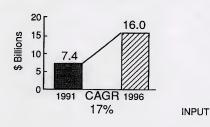


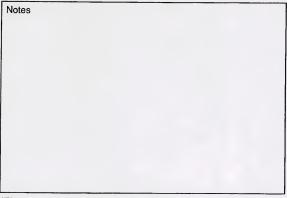
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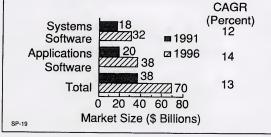


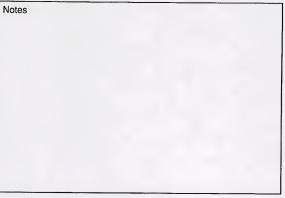
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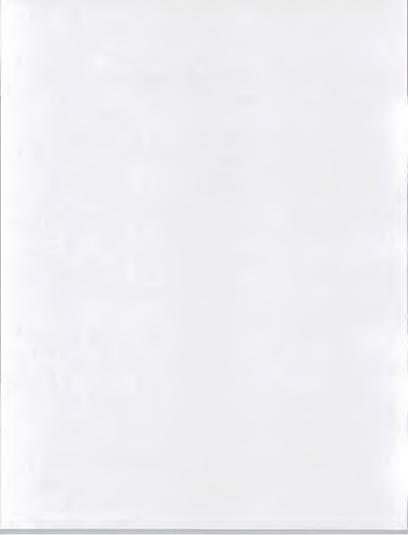
NS-62



U.S. Software Products Market, 1991-1996







Application Software Products Changing Buying Patterns

- · Make versus buy decisions
- Solutions versus products
- A more strategic purchase
- End-user involvement and role of operating executives

SP-124

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Application Software Products Changing Distribution Channels

- · SI and SO
- Applications software versus turnkey
- Turnkey/VAR versus systems integration

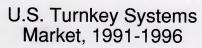
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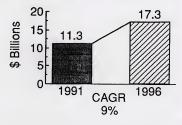
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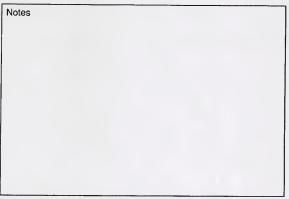
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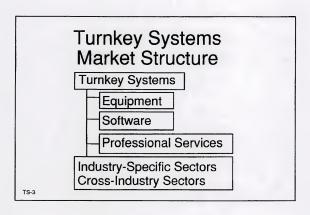




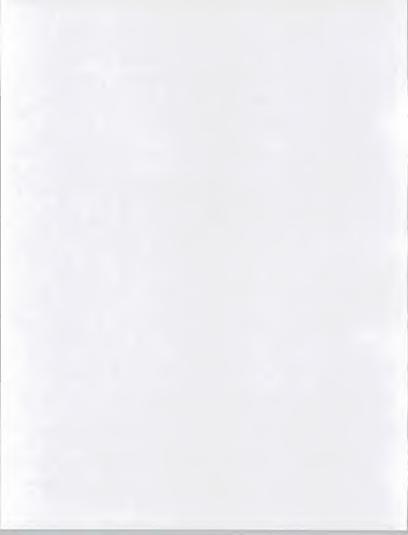


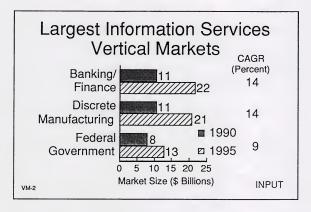
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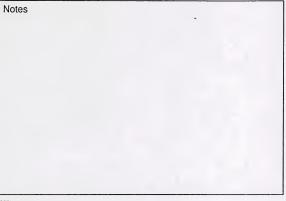


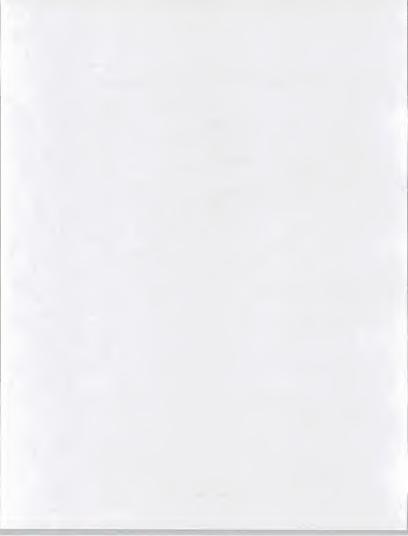


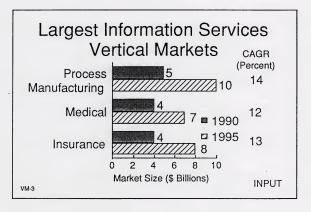
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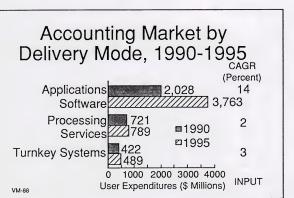






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Products and Services Markets Blurring

- Traditional competitors are changing:
 - Traditional *product* companies adding services
 - Traditional service companies adding products

IS-7a

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Products and Services Markets Blurring

- Traditional competitors are changing:
 - Consulting companies adding development services

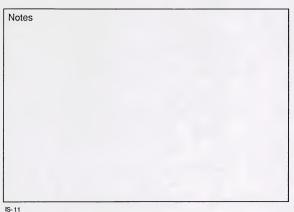
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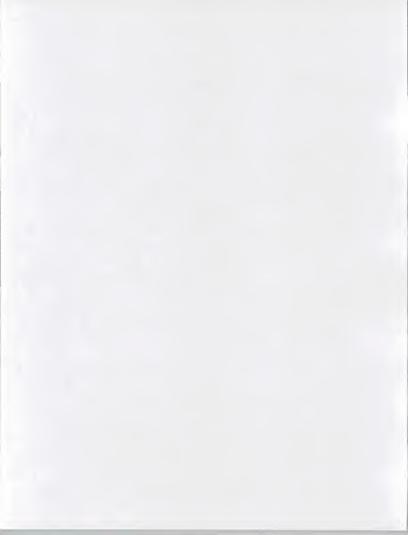
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Information Services Market Structure—1990s Emphasis on Supporting Services Software **Products** Processing Professional Integrated Services Services Solutions Network Turnkey Services Systems

Supporting Services





IS Outsourcing Areas

- 1. Systems operations
- 2. Applications maintenance
- 3. Applications management
- 4. Network operations
- 5. Desktop services

OU-7

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Focus

Systems integration (SI) Systems operations (SO)

OU-12

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"Outsourcing" vs. Buying Services

- Greater commitment on part of buyer
- · "Partnership"

OU-11

· Responsibility/risk for vendors

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Notes



Organization/IS Impact

Outsourcing		Impact	
Category	Operational	Tactical	Strategic
Applications Management	High	High	Medium
Systems Operations	High	Medium	Medium

OU-22 INPUT

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Organization/IS Impact

Outsourcing	Impact			
	Operational Tactical Strategic			
Applications Maintenance	High	Medium	Low	

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OU-23

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Evolution of Outsourcing

Product/Service	1970s	1990s
Applications Software	Applications _ Packages	Applications Management
Professional Services	Consulting – Contract Prog	ApplicationsMaintenance
OU-18a		INPUT

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Evolution of Outsourcing

Product/Service	1970s	1990s
Processing Services	Specific Proc Serv	Systems Operations
Networking Services	Value-Added Networks	Network Operations

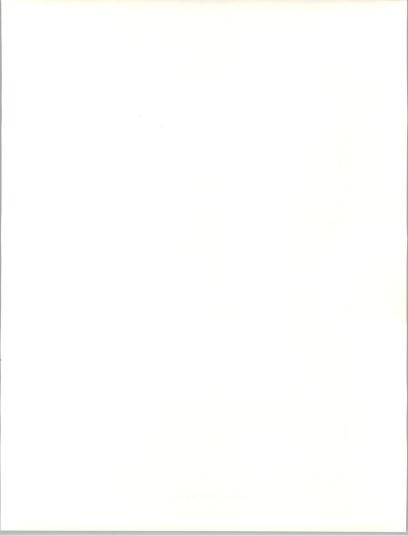
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- Employer Services desires an outside view of potential business opportunities
- Assessments/recommendations based on an "informed outsider's" view of Employer Services business

YWAD1- 10

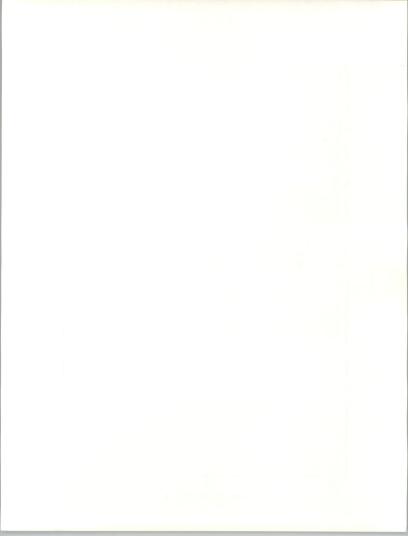
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- No briefings by Employer Services on
 - Objectives
 - Current business
 - Business plans
 - Opportunities evaluated
 - Plans

YWAD1- 11

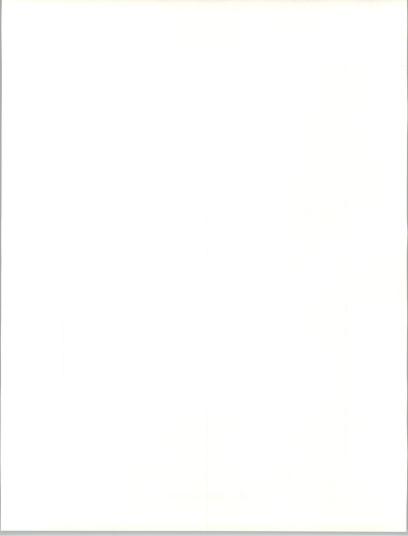
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- Suggestions/recommendations are meant to provoke thought and discussion.
 - All require additional research and analysis.

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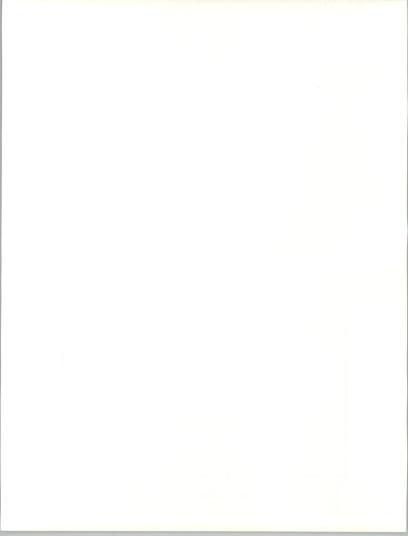


- Some may not prove feasible or desirable for Employer Services.
- Some may have a large information service component but are not information services, per se.

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YWAD1- 13

Notes



INPUT's View of ADP/Employer Services

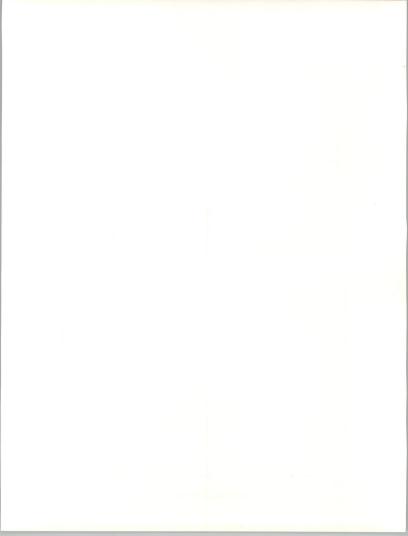
- Objectives
- Market base
- Operating characteristics
- Attitude toward technology
- Business culture

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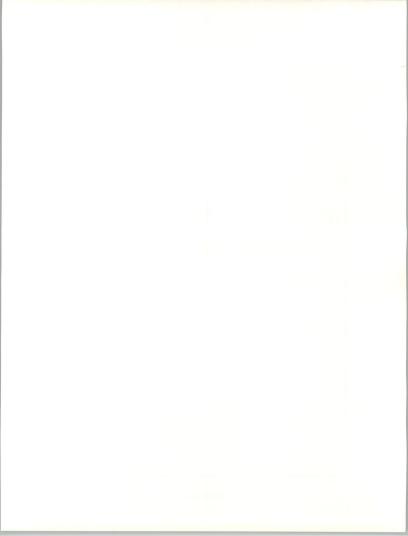


ADP/Employer Services Objectives

- EPS: Double digit growth
- Revenues: Double digit growth
- Market segment leadership
 - Market share
 - Potential to be in top three

YWAD1- 2

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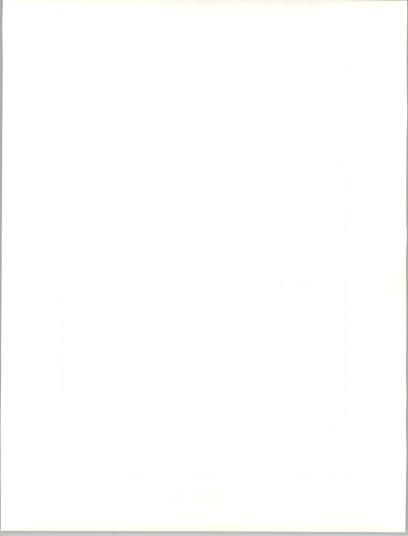


ADP/Employer Services Market Base

- "Heartland" customers (25 1,000 employees)
 - Principal business base
 - Twenty percent penetration
 - Small penetration in larger companies

YWAD1- 3

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ADP/Employer Services Market Base

- · HR, Payroll
 - Support functions, little competitive advantage
 - Mid-level, specialized buyers
 - Focussed sales force
- Repetitive (processing) services

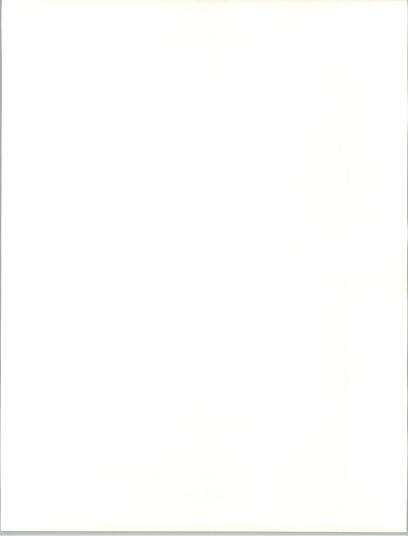
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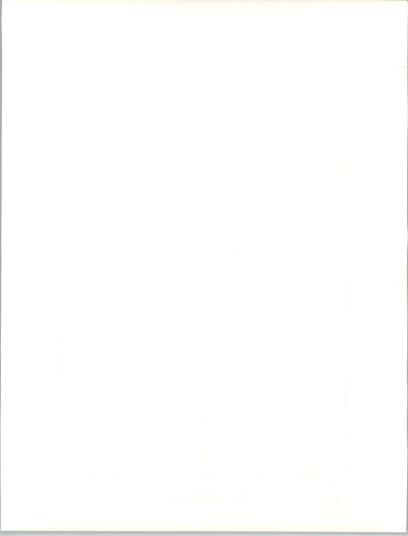


ADP/Employer Services Operating Characteristics

- · Disciplined operations, execution
- · Mastery of detail
- Standardized processes and results
- Management of large data bases
 - Personal information
 - Financial information

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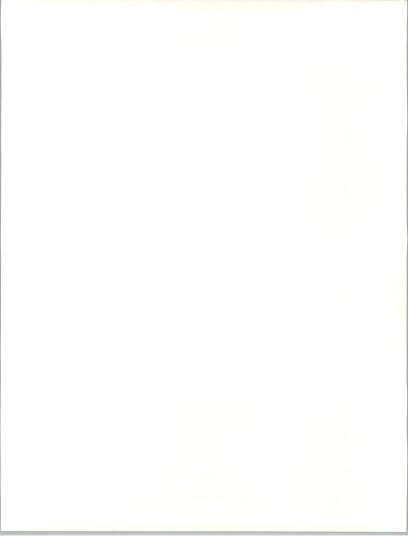


ADP/Employer Services Operating Characteristics

- Able to deal with a complex, changing environment
 - Legislation and government rule making
 - Customer employment practices

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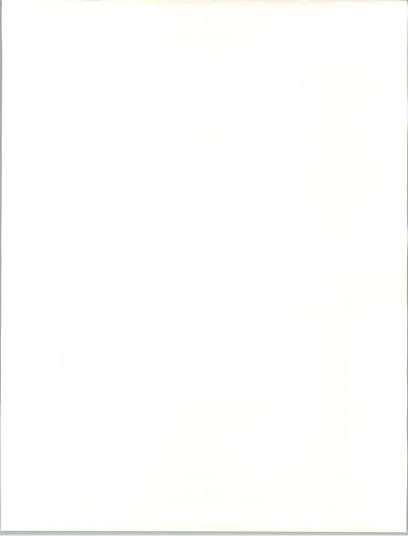


ADP/Employer Services Attitude Toward Technology

- A means, not an end: efficient, standardized operations
- · Cost control: very important
- Leading edge technology viewed as:
 - Costly
 - Risky

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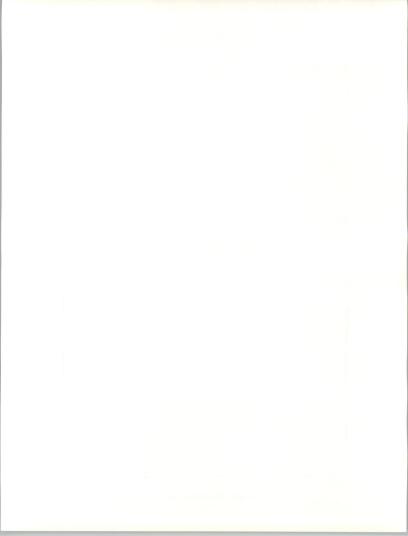
ADP/Employer Services Business Culture

- · Offerings are:
 - Focussed
 - Changed incrementally
- Business unit has been risk-averse
 re: Unrelated businesses
 Technology-driven offerings

YWAD1- 8

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INPUT'S Assessment of General Opportunities

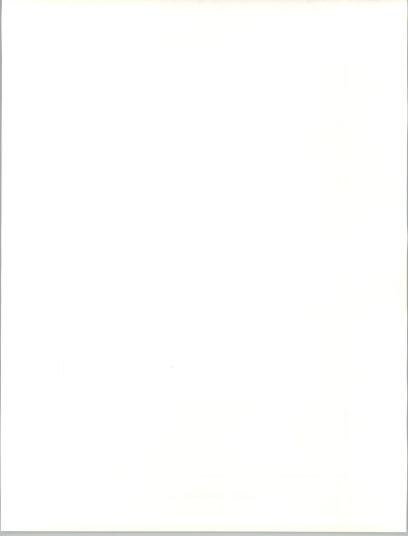
- "Template" for judging opportunities
- Potential areas

YWAD1- 29

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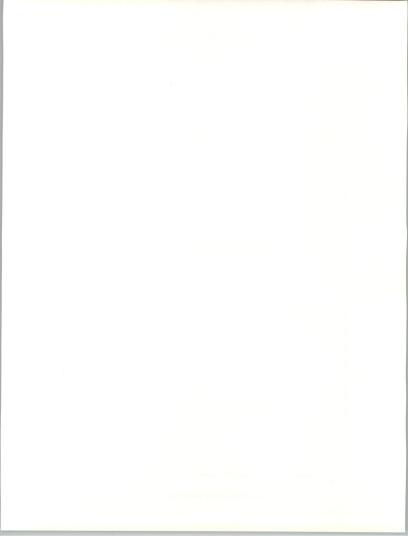
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"Template" for Judging New Opportunities

- Meet financial/market share objectives (not always immediately)
 - Investment, start-up
 - Critical mass build-up (market share, efficiency)

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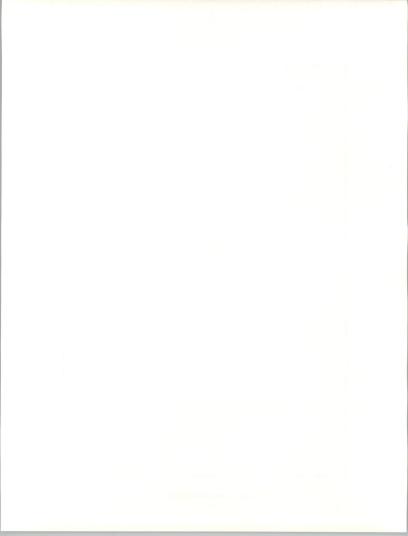


"Template" for Judging New Opportunities

- · Services attractive
- Independently offered products: rarely attractive
- High technology component not attractive

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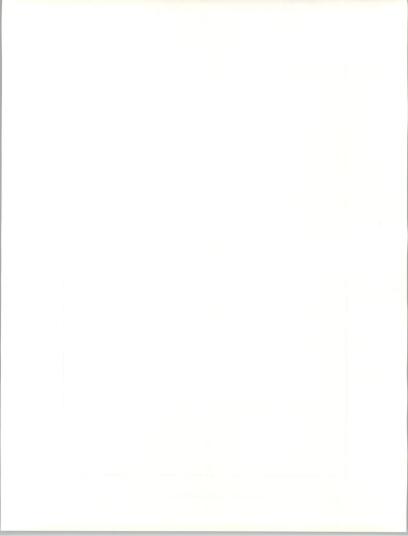


"Template" for Judging New Opportunities

- Should be related to current business in at least one of the following:
 - Delivery mode
 - A business support function
 - Customer set

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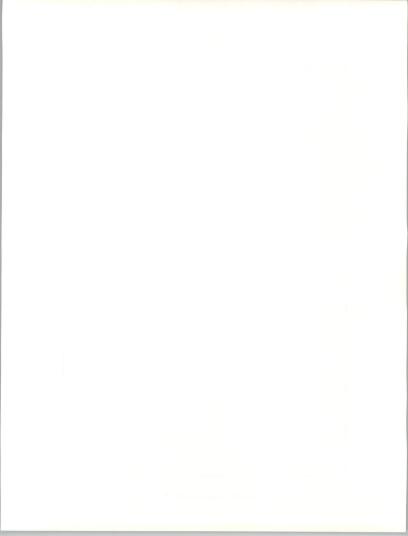


Large Business Requirements

- Often, decentralized business units within a centralized administrative framework
- Complex, changing organizations

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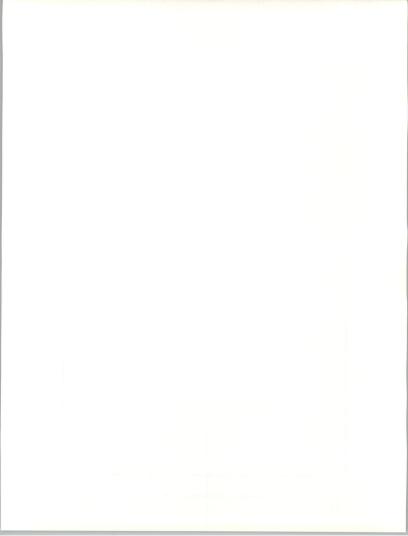
Large Business Requirements

 Complex, change-resistant support systems—IS and/or management conflicts between "single data base" and distributed applications

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YWAD1- 18

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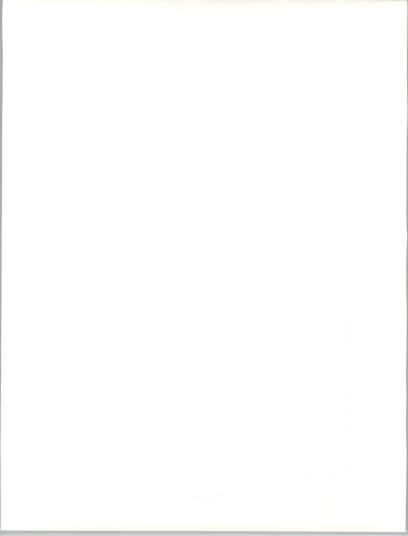


Large Business Requirements

- Unique, custom-built systems environments caused by:
 - Real needs (competitive advantage)
 - Perceived needs (competitive advantage)
 - Accumulation of historic systems
- Increasing interest in outsourcing

YWAD1- 19

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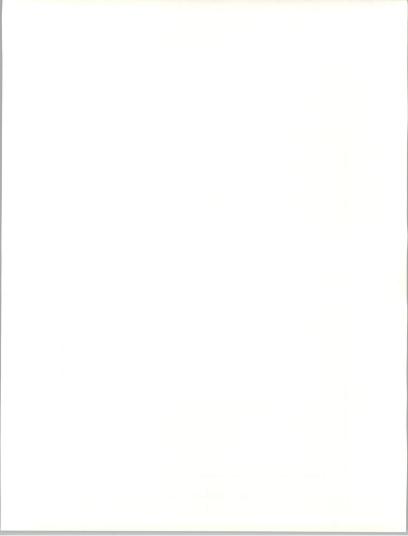


Potential Opportunity Areas

- Broaden, deepen current niche (payroll/HR processing)
 - Ongoing process
 - Not addressed by INPUT at this time

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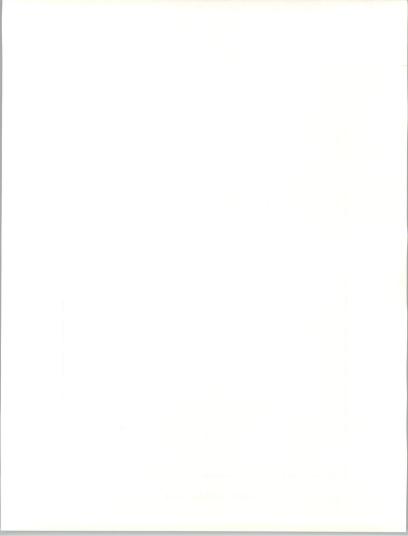


Potential Opportunity Areas

- Expand into other business support functions
- Expand into other delivery modes
- Expand beyond Heartland customer set
 - Small businesses (secondary target, excluded from this analysis)

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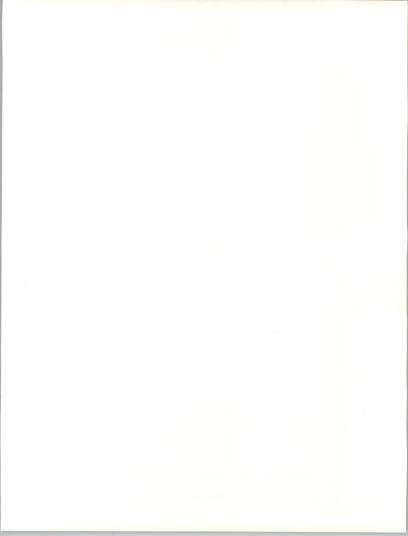
Potential Opportunity Areas

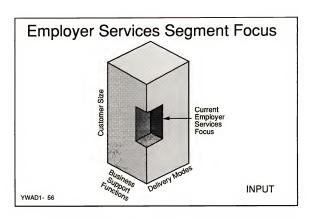
- Government (excluded from this analysis)
- Large businesses

YWAD1- 16

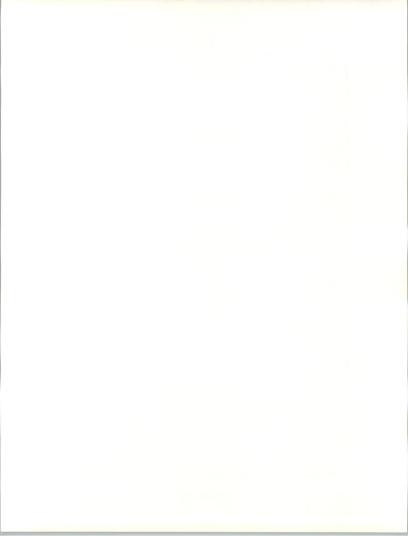
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Notes





Notes		



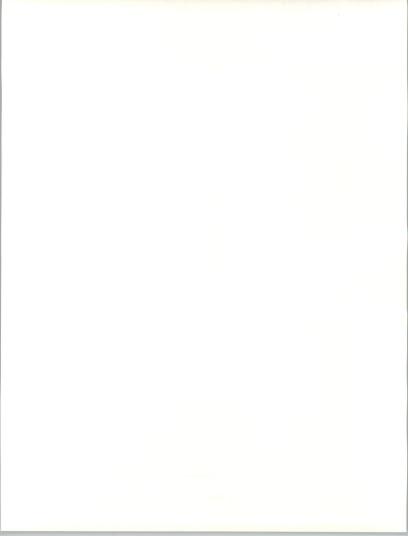
Examination of Specific Areas and Opportunities

- Delivery modes
- Vertical markets
- Cross-industry business support

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Notes

11/15/91



Systems Operations (SO)

SO-1

Notes

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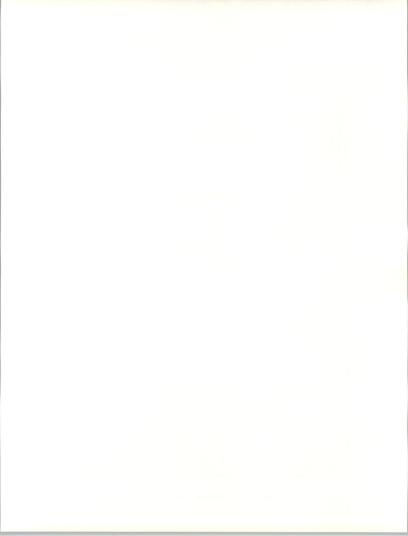
5/1/91



Template for Platform Operations

Criteria	Acceptability
Financial/market share	Yes
Service	Yes
Low/medium technology	Yes (usually)
Related to current business	No

Notes	



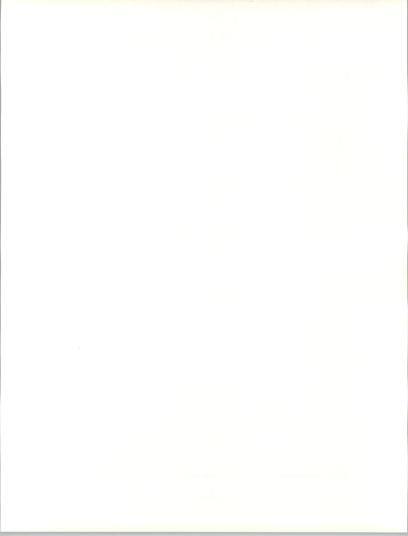
Applications Support

- Payroll, HR
- Potentially, other business support functions, e.g.,
 - Purchasing/accounts payable
 - Billing/accounts receivable

YWAD1- 44

INPUT

Notes		

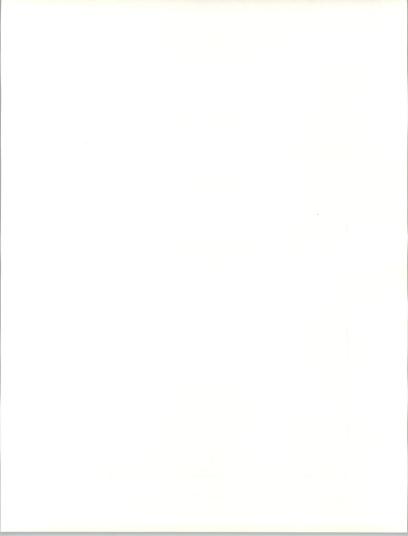


Applications Support

- · Leverage processing core
 - Standardize customer software (all, part; sooner; later)
 - Standardize support procedures
- Could lead into larger outsourcing business: business support

INPUT

Notes	

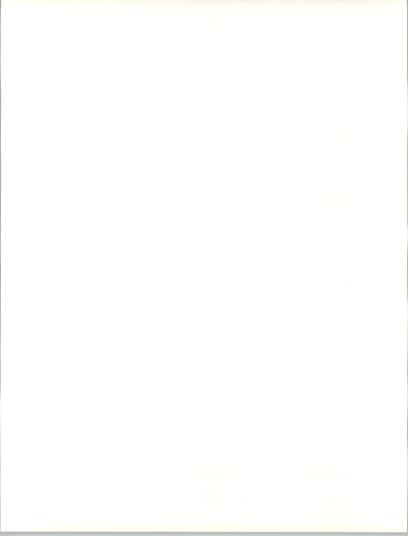


Template for Applications Support

Criteria	Acceptability
Financial/market share	Yes
Service	Yes
Low/medium technology	Yes
Related to current business	Sometimes

INPUT

Notes		



Systems Integration

SI- 1

INPUT

Notes



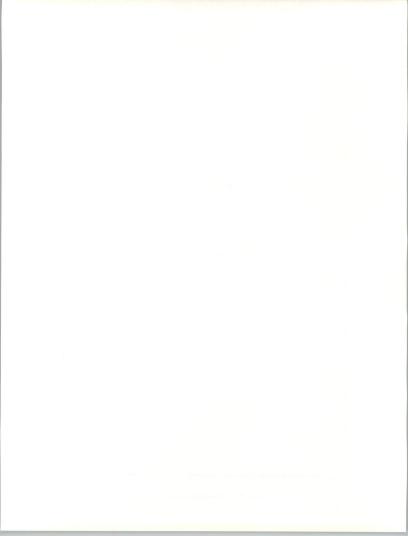
System Integrated Related Opportunities Employer Services

- "Pure" SI build only
 - Target payroll, HR initially
 - Requires new/refocussed ADP skills
 - High degree of customization
 - Lumpy, episodic business
 - Probably not attractive

YWAD1- 27

INPUT

Notes		
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System Integrated Related Opportunities Employer Services

- · SI/SO build/operate
 - Entree into large accounts
 - Meets more Employer Services criteria
 - SI component through partnering
 - Gradually introduce standard components
 - · Better service
 - · Reduce costs

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Notes		

1/15/91

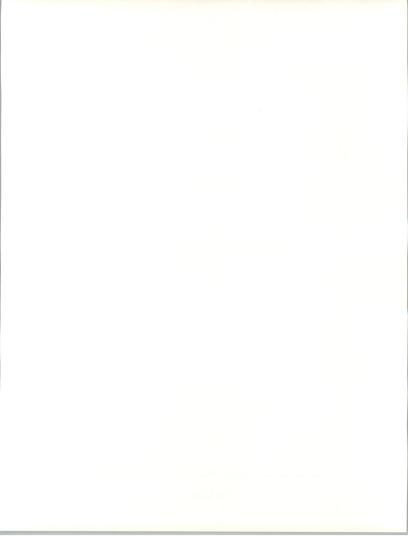


Template for Systems Integration

Criteria	Acceptability
Financial/market share	Yes
Service	No
Low/medium technology	Yes
Related to current business	Sometimes

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Notes		

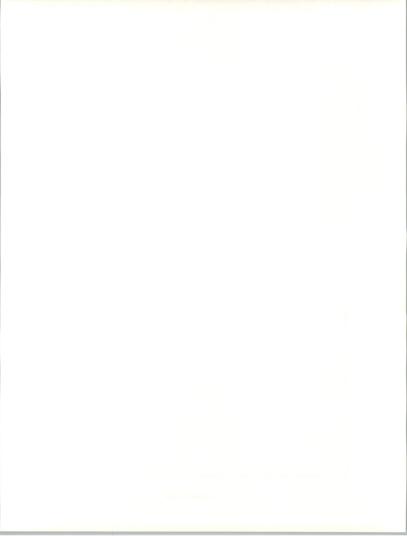


On-Line Data Bases

YWAD1- 33

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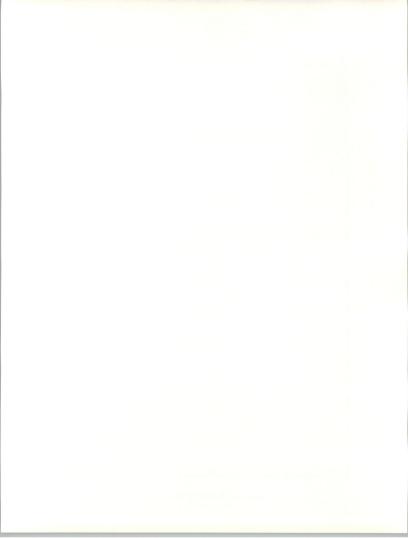
Notes



Template for Credit Reporting Data Base (Sample)

Criteria	Acceptability
Financial/market share	Yes
Service	Yes
Low/medium technology	Yes
Related to current business	Partial

Notes			

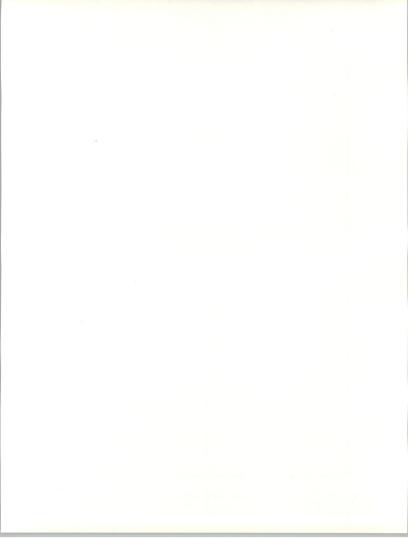


Consumer Services: Concept

- Utilize data base on ten million employees
 - Actual personal information
 - Data base capabilities

YWAD1- 46

Notes		

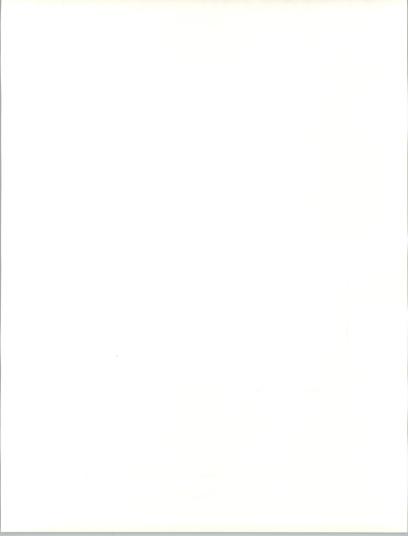


Consumer Services: Concept

- Third party data base provider
- Market directly to individuals (e.g., financial services)
- Market through payroll customers to individuals (e.g., 401K)

YWAD1- 47

Notes	



Consumer Services: Questions

- Legal protection of payroll/HR information
- Direct provision of services to consumers inadvisable
- Consumer purchasing behavior data base experience totally different than HR data bases

YWAD1- 48

Notes	



Consumer Services: Questions

- Core of 401K business is marketing and management, not processing
- Payroll customers may be resistant to be marketed through

YWAD1- 49

Notes	



Other Delivery Modes

YWAD1- 32

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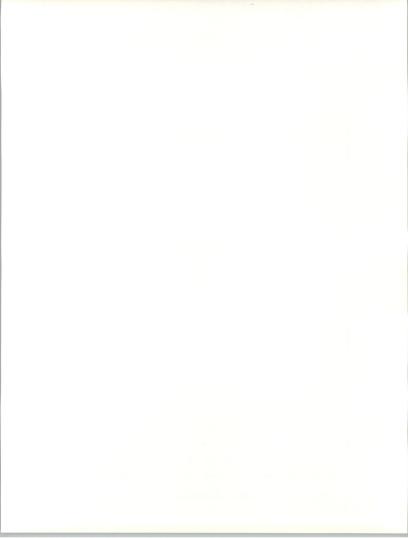
Notes



Template for Systems Software Products

Criteria	Acceptability
Financial/market share	Yes
Service	No
Low/medium technology	Varies
Related to current business	No

Notes		

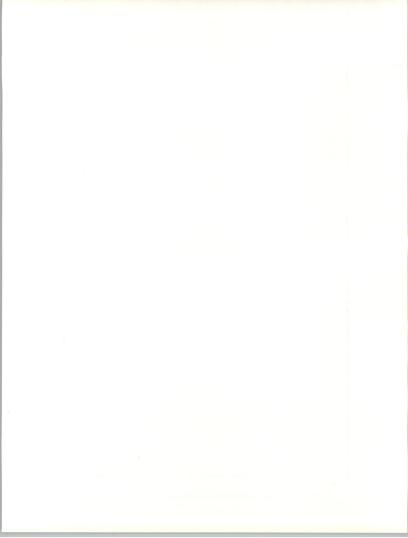


Template for Application Software Products

Criteria	Acceptability
Financial/market share	Yes
Service	No
Low/medium technology	Yes (usually)
Related to current business	Sometimes

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Notes

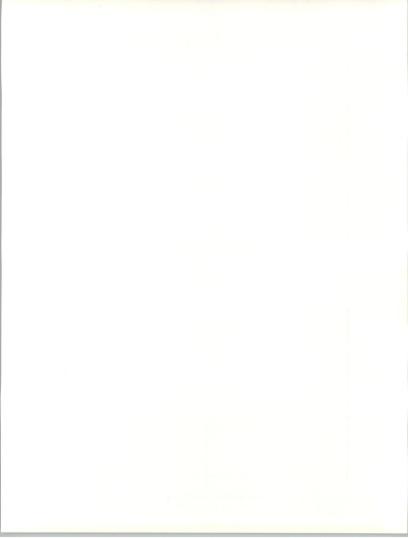


Template for Turnkey Systems

Criteria	Acceptability
Financial/market share	Yes (?)
Service	No
Low/medium technology	Yes
Related to current business	Sometimes

YWAD1- 35

Notes		



Delivery Modes and Employer Services Criteria: Summary

Delivery Mode	Meets ADP Criteria?
Processing*	Yes
Outsourcing Platform operations Applications support Entire business/ departmental functions	Probably no Yes Yes
*Current Segment	I INPUT

Notes		
	_	



Delivery Modes and Employer Services Criteria: Summary Meets ADP Criteria? **Delivery Mode** Systems Integration Maybe Information Data Base Yes, if supplier proprietary Software Products Systems Software Nο Applications Software Probably no Probably no Turnkey System INPLIT

Notes		



Vertical Markets

VM-1

Notes

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3/8/91

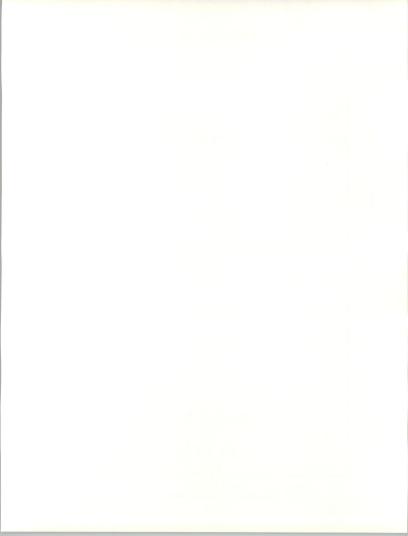


Vertical Market Requirements

- Vertical knowledge, embodied in software and/or people.
 - Principal delivery modes:
 - Applications software products
 - Professional services
 - Systems integration

YWAD1- 50

Notes		

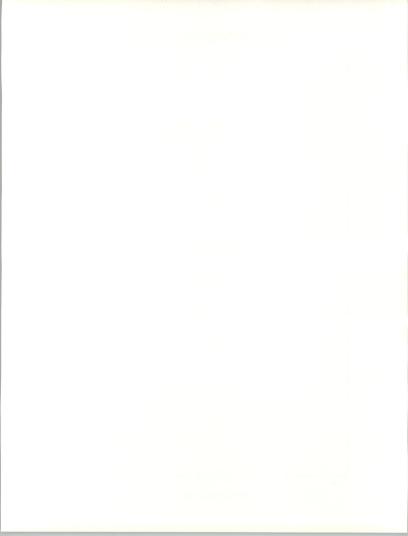


Vertical Market Requirements

- Increasing follow-on market for systems operations
- Little ability to build on Employer Services business
- Potential conflict with other ADP units

YWAD1- 51

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Cross-industry Business Support

YWAD1- 31

INPUT

Notes



Business Support Functions (Examples)

- Payroll*
- Human Resources*
- Purchasing/Accounts Payable
- Billing/Accounts Receivable

* Current segments

YWAD1- 20

INPUT

Notes



Business Support Functions (Examples)

- Order Processing
- Credit Authorization
- Health Claims Management
- · Benefits Management

YWAD1- 21

INPUT

Notes			



Recommendations

- Focus on core services
- Outsource other activities

Source: HBR Article

INPUT

OU-4

Notes	



Outsourcing

- Outsource non-competitive activities
- · Outsourcing builds flexibility
- · Outsourcing allows focus

OU-5

Source: HBR Article

INPUT

Notes



Business Function Outsourcing Markets

	1991	1992
Processing Services	Limited functions Mature market	•Same
Applications Support	Functions vary	 Potentially all functions
	Growing market	•Very large (?)

Notes	

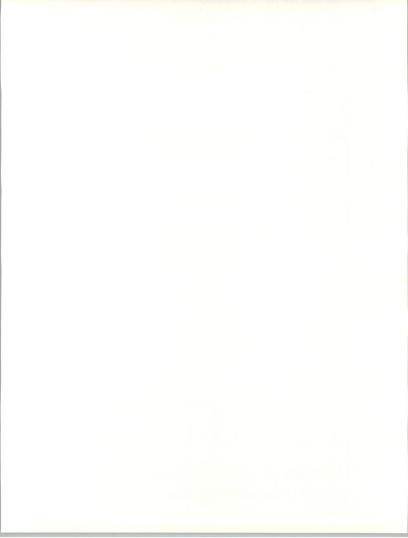


Business Function Outsourcing Markets

	1991	1992
Business Function	• Infant market	Potentially all functions
Support		• Large (?)

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Notes



Outsourcing Vendors

- · Approaches differ greatly
- Variety of capabilities needed
- Partnerships/alliances result

OU-13

Notes

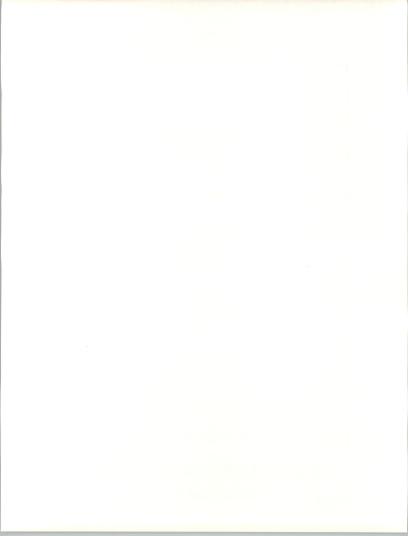


Template for Business Function Outsourcing

Criteria	Acceptability
Financial/market share	Yes (?)
Service	Yes
Low/medium technology	Yes (usually)
Related to current business	Sometimes

YWAD1- 41

Notes		



Summary

- Employer Services to become Corporate Services?
- Long term target: horizontal back office services
 - Processing -- systems operations
 - Applications support → department support
 - Payroll/HR→ other functions

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Notes	

11/15/91



Summary

- Separate opportunity: on-line data base supplier
 - Proprietary data
 - Corporate customers

YWAD1- 53

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Notes	

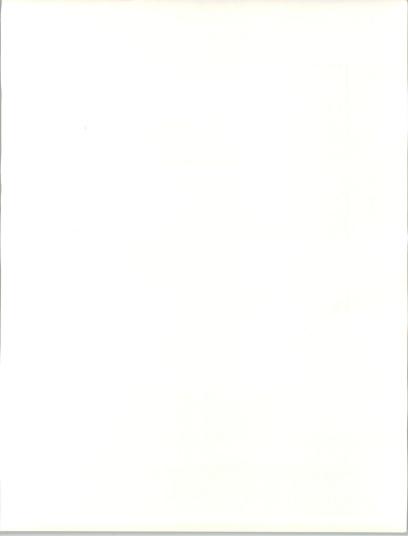


Next Steps

- Prioritize opportunities
- Additional analysis, sizing of selected opportunities
 - Further refinement of offerings
 - Sizing

YWAD1- 54

INPUT



Next Steps

- Additional research may be required for sizing, growth, customer characteristics
- · Identification of offering vehicle
 - In-house
 - Partnering
 - Acquisition

YWAD1- 55

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Notes		
15/01		

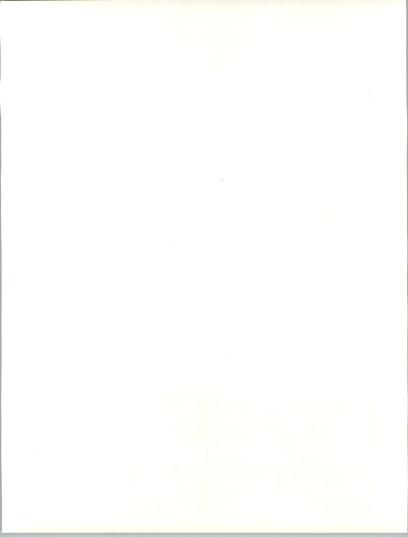
11/15/91

ADP

Information Services-Related Opportunities for Employer Services—An Initial Review

November 19, 1991



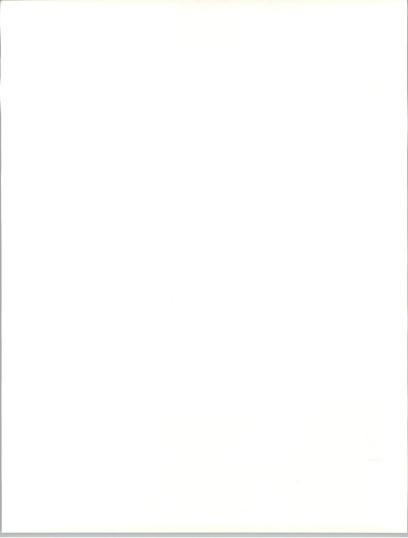


Agenda

- Overview of information services industry
- INPUT's view of Employer Services
- INPUT's assessment of general opportunities for Employer Services
- Examination of specific service areas and opportunities
- Summary

YWAD1- 9





INPUT

Market Research and Consultancy

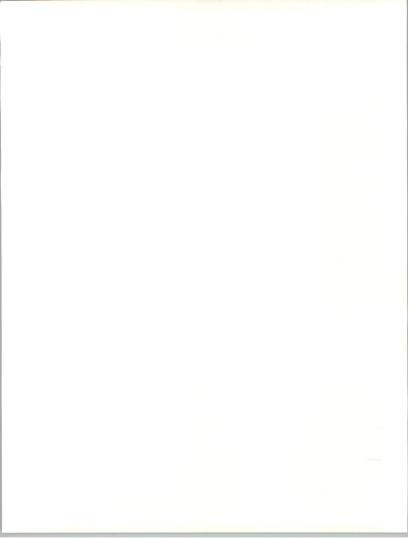
Information Technology and Services Industry

17 Years in Business

80 Employees

MS-6





INPUT

California, New York, Washington D.C., London, Paris, Tokyo, Frankfurt

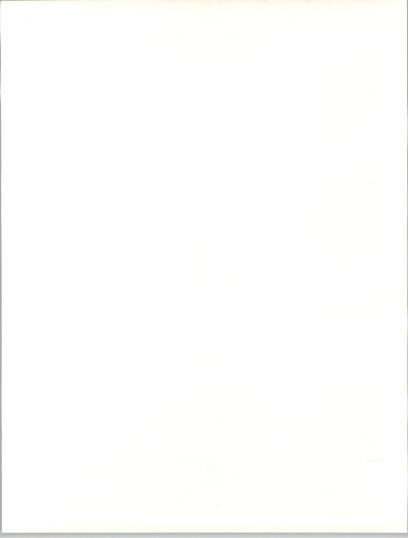
Emphasis on Primary Research

Experienced Senior Executives

Comprehensive Forecasts

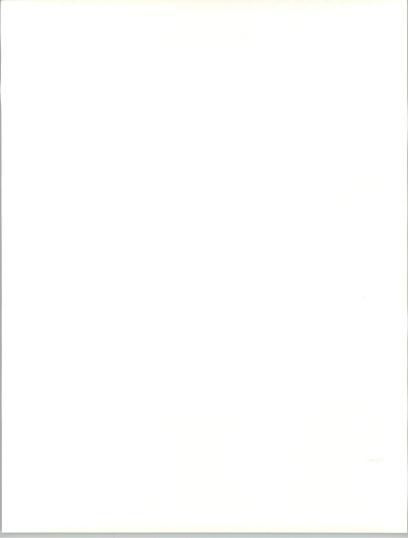
MS-7



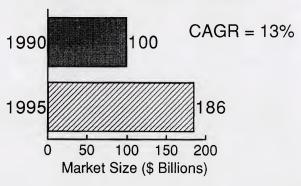


Information Services Industry Trends

MS-2



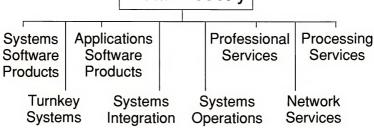
U.S. Information Services Market, 1990-1995





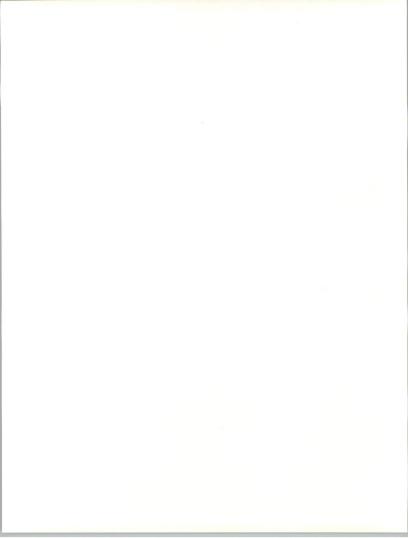
Information Services Industry Structure

Total Industry

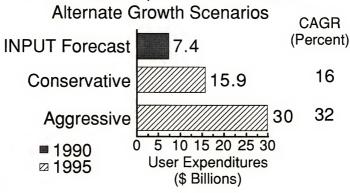


IS-2



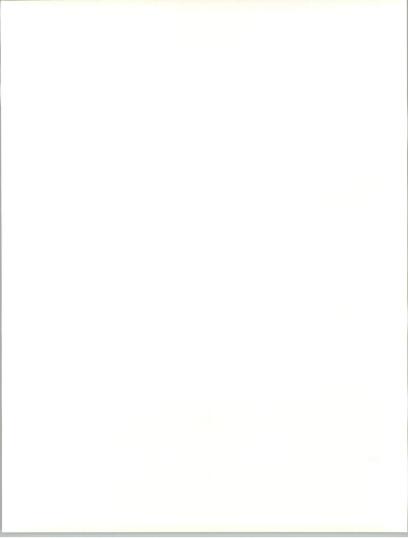


U.S. Systems Operations Forecast, 1990-1995





80-100



"Old" Facilities Management

Focus on computer operations

"New"

Systems Operations

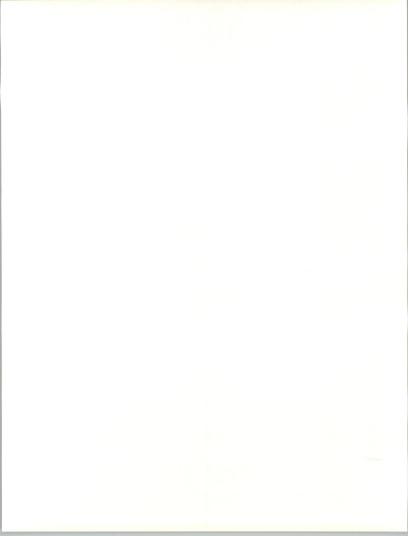
Development, planning, control, operations



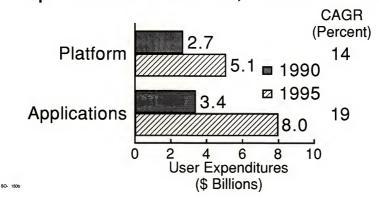


Types of Systems Operations

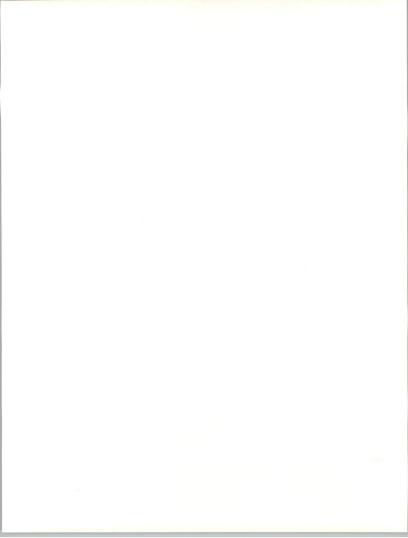
Type	Responsibilities
Platform	Operations of computer systems and their networks
	Operations and applications software



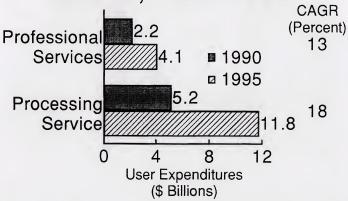
U.S. Commercial Systems Operations Market, 1990-1995



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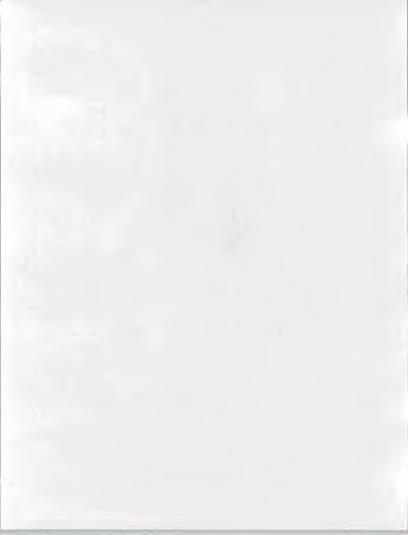


U.S. Systems Operation Market, 1990-1995



90-20a

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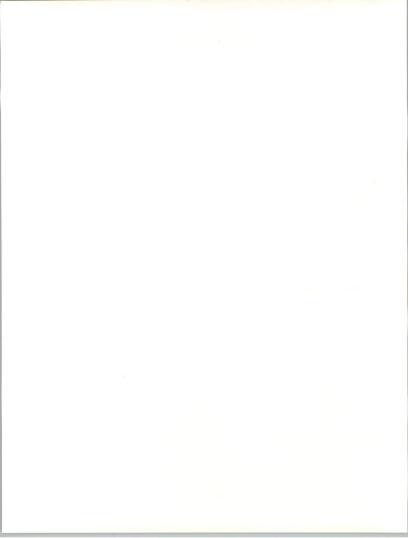


Characteristics of Types of Systems Operations

Location of	Ownership of Main Computer		
Main Computer	Vendor	Customer	
Vendor Site	Processing Services	Processing Services	
Customer Site	Professional Services	Professional Services	

Dominant modes



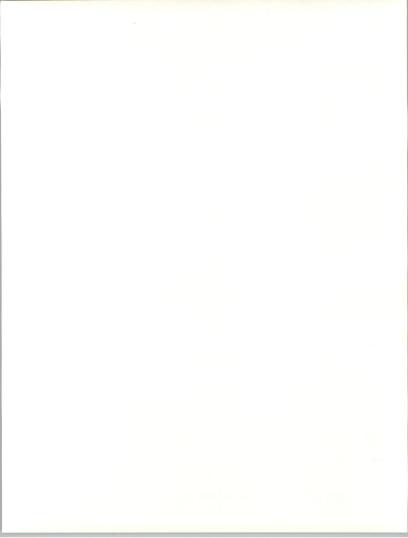


Characteristics of Types of Systems Operations

Location of	Dedication of Main Computer		
Main Computer	Shared	Single Customer	
Vendor Site	Processing Services	Processing Services	
Customer Site	Professional Services	Professional Services	

Dominant modes



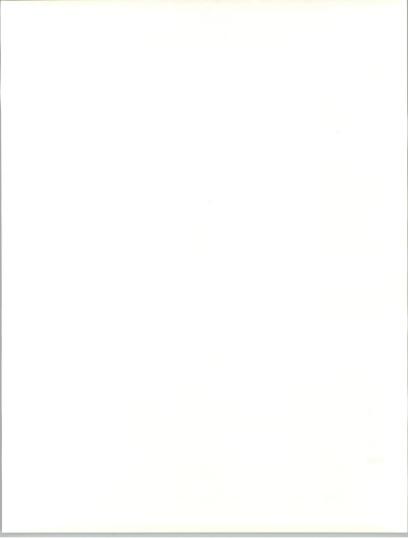


Systems Operations Driving Forces

- Core business focus
- Business transition
- Expense reduction
- Capital preservation

80- 10

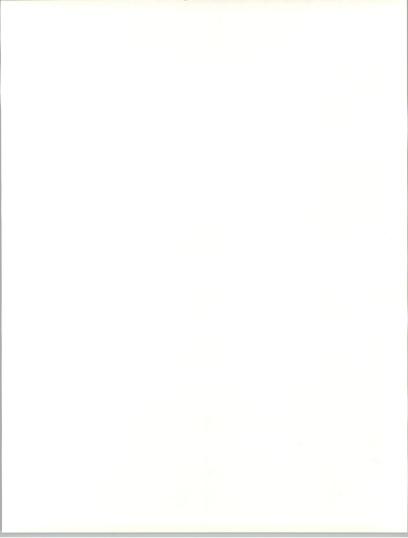




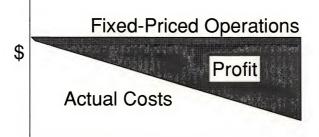
Systems Operations Processing Services

- Fastest-growing processing market
- Changing attitudes of IS executives
- Non-IS executive involvement
- Emerging systems vendors' strategies

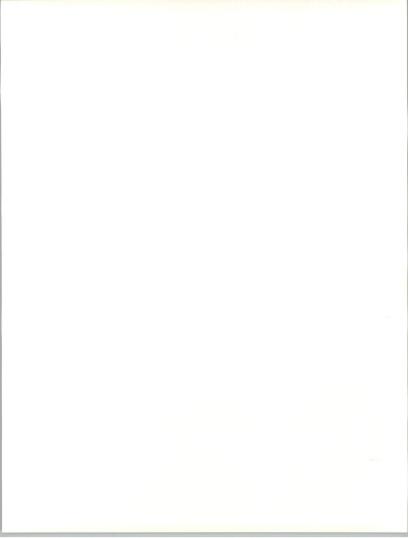




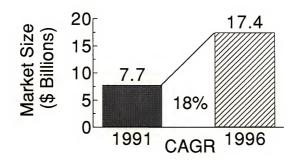
Systems Operations Efficiency Yields Profits



Time

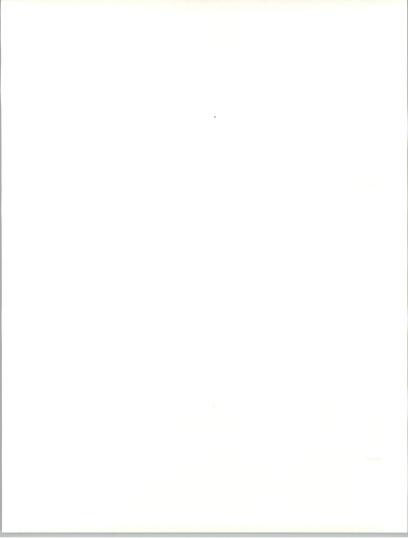


U.S. Systems Integration Market 1991-1996

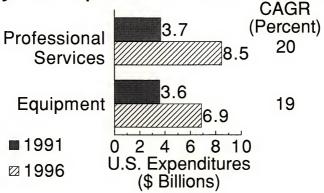


SI-8

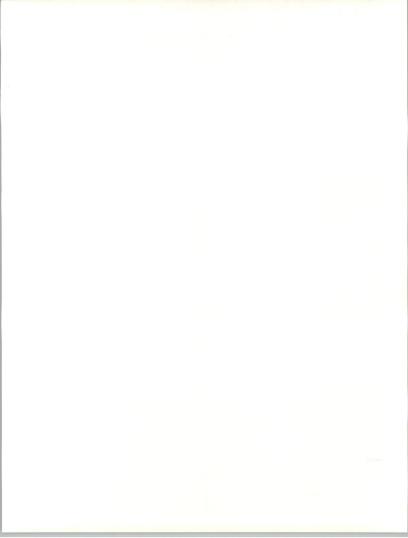




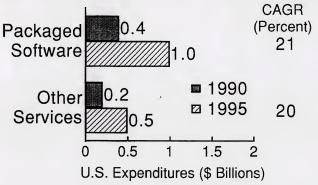
Systems Integration Market by Component, 1991-1996



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Systems Integration Market by Component, 1990-1995



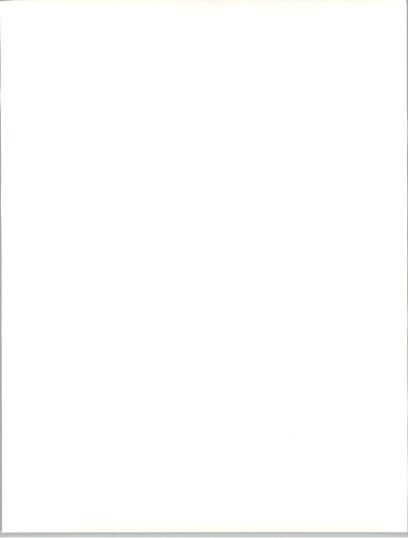


SI Definition

- Vendor-provided service
- Complete solution to complex requirement for:
 - Information systems
 - Networking
 - Automation

SI-2a





SI Definition

 Custom selection and implementation of products and services

SI-2t

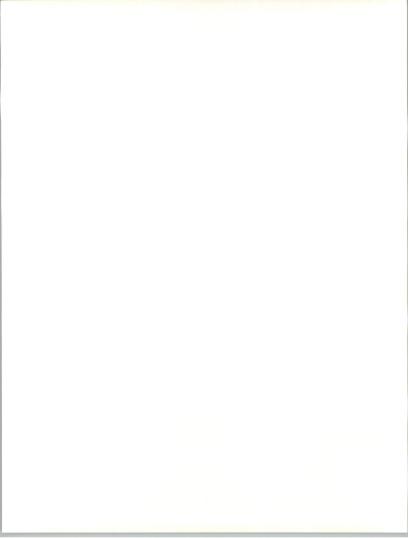


Major SI Buyer Issues

- Core business focus
- Competitive demands
- Increasingly complex solutions

SI-4



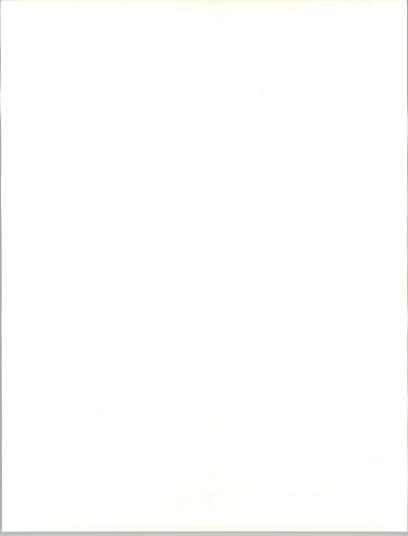


Major SI Buyer Issues

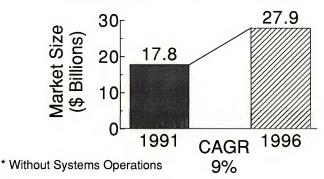
- Users becoming buyers
- New technology application
- Unavailable skills

SI-5

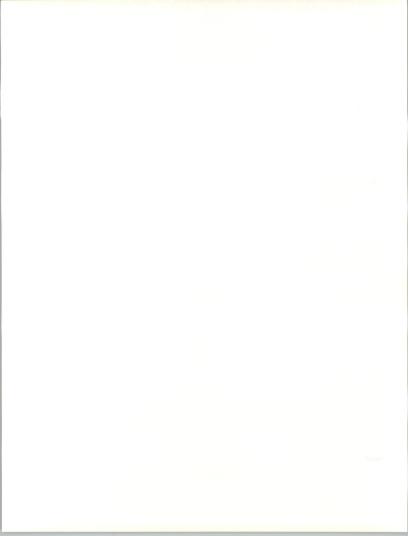




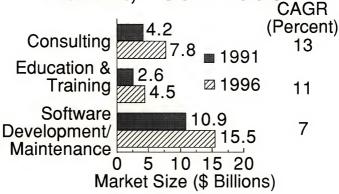
U.S. Professional Services Market,* 1991-1996



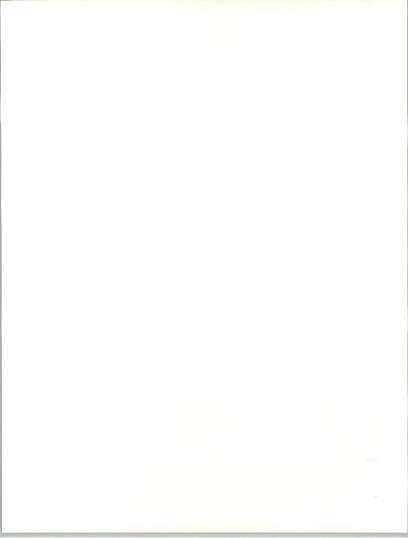




U.S. Professional Services Market, 1991-1996







Professional Services Market—Driving Forces

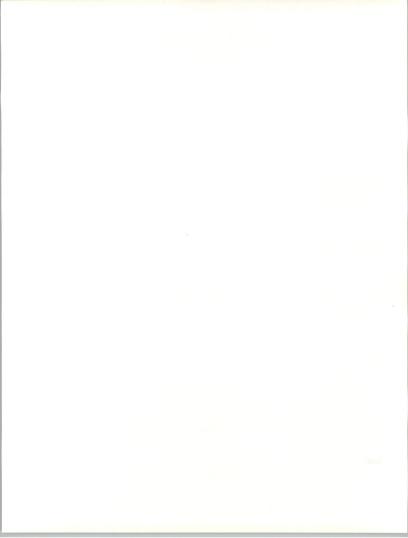
- Lack of skilled personnel
- Growth of network applications
- Amount of proprietary systems in use
- Growth of consulting services





Professional Services Market—Growth Inhibitors

- Economic downturn
- Increased power of application development tools
- Lack of personnel with critical technical skills



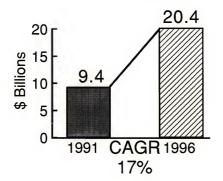
Professional Services Market—Growth Inhibitors

- Movement of prospects to systems integration/ operations
- Slowing of information services industry



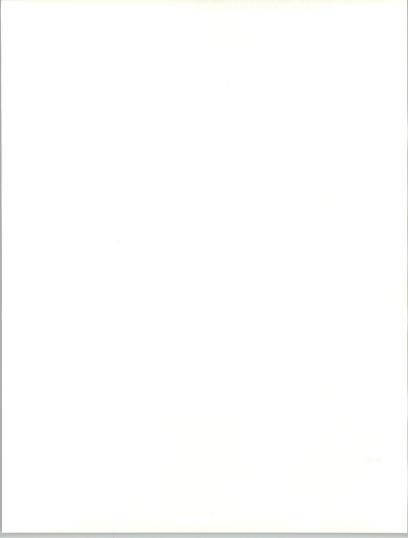


U.S. Network Services 1991-1996



NS-61





Network Services

Network Applications Services Electronic Information Services

- Value-Added Networks
- Electronic Data Interchange
- Electronic Information Interchange
- Network Management

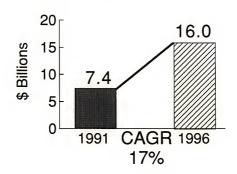
On-line Data Bases

News Services

NS-3



U.S. Electronic Information Services, 1991-1996

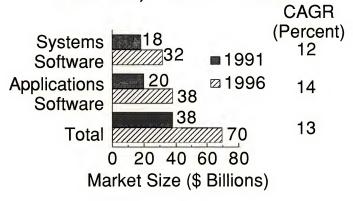


NS-62



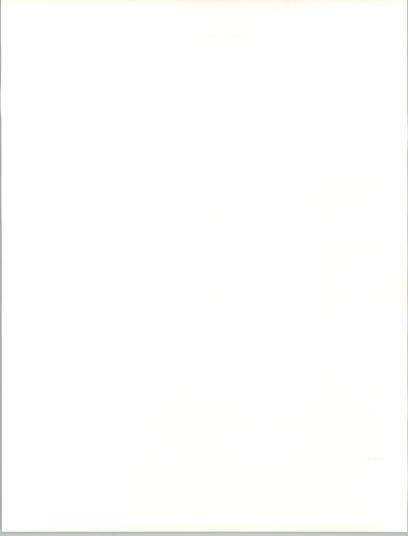


U.S. Software Products Market, 1991-1996





SP-19

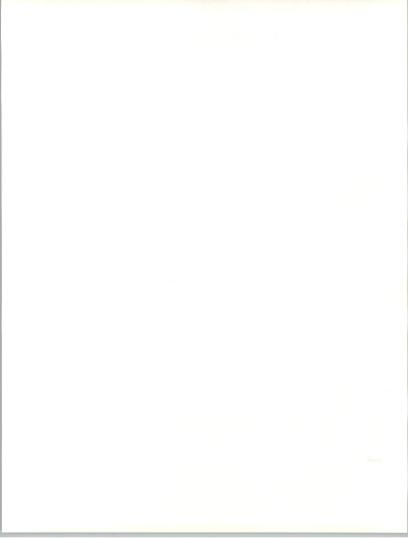


Application Software Products Changing Buying Patterns

- Make versus buy decisions
- Solutions versus products
- A more strategic purchase
- End-user involvement and role of operating executives

SP-124



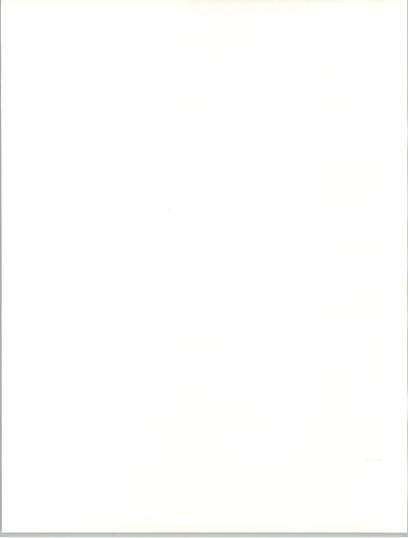


Application Software Products Changing Distribution Channels

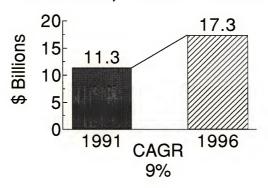
- SI and SO
- Applications software versus turnkey
- Turnkey/VAR versus systems integration

SP-125



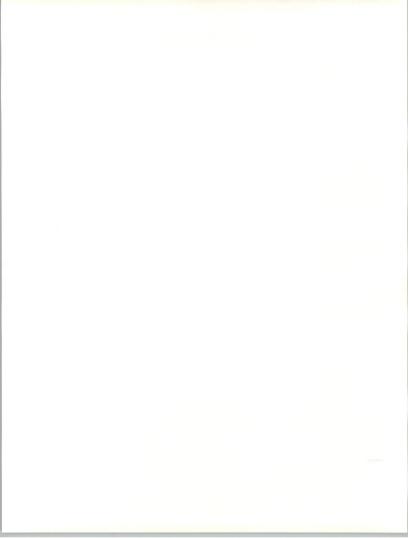


U.S. Turnkey Systems Market, 1991-1996



TS-10





Turnkey Systems Market Structure

Turnkey Systems

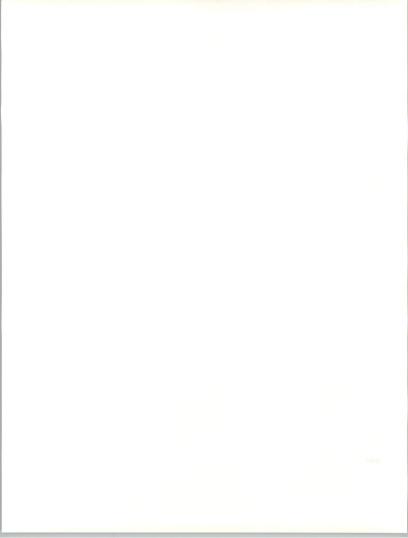
Equipment

Software

Professional Services

Industry-Specific Sectors
Cross-Industry Sectors



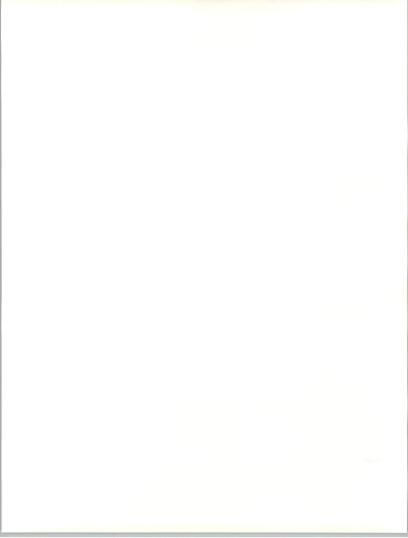


Largest Information Services Vertical Markets

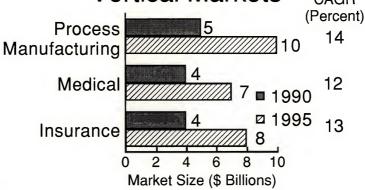


VM-2



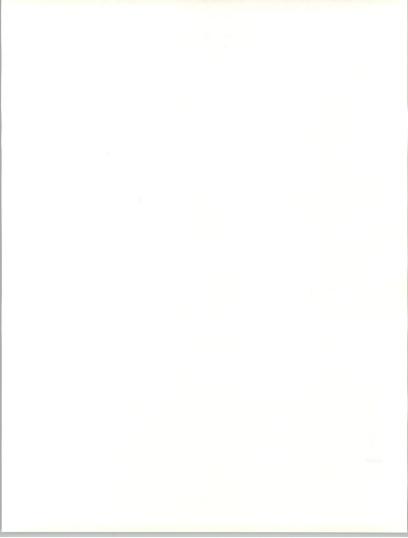


Largest Information Services Vertical Markets CAGR

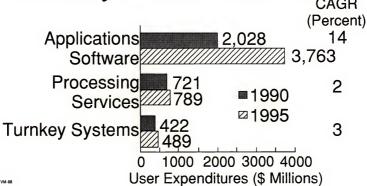


VM-



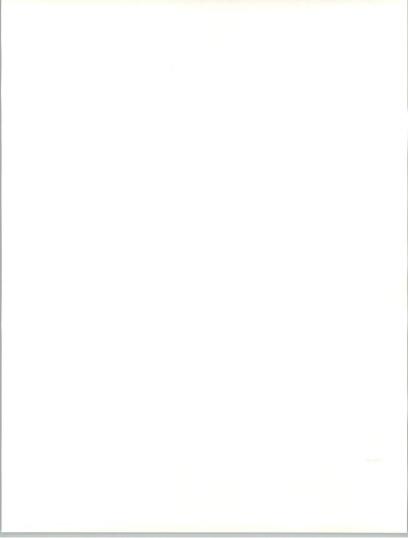


Accounting Market by Delivery Mode, 1990-1995





VM-88

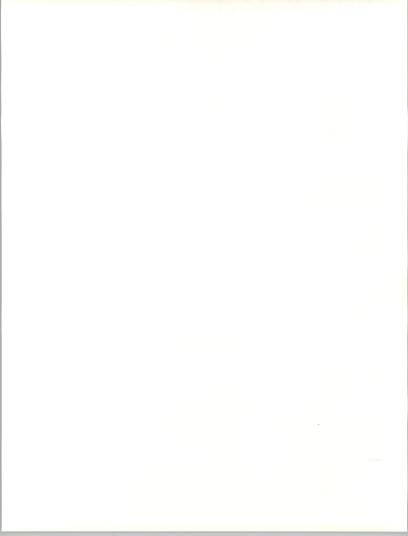


Products and Services Markets Blurring

- Traditional competitors are changing:
 - Traditional product companies adding services
 - Traditional service companies adding products

IS-7a



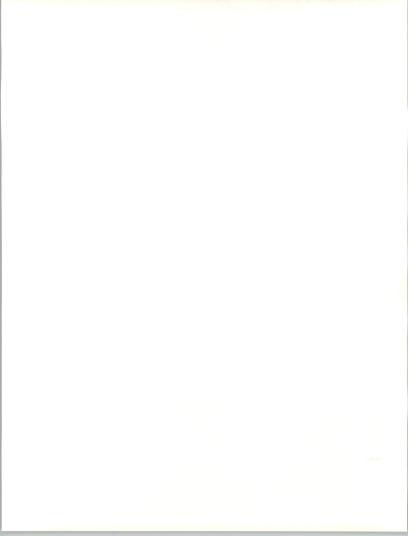


Products and Services Markets Blurring

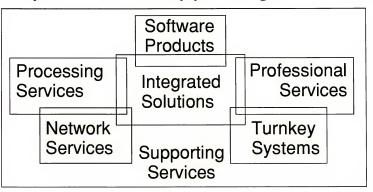
- Traditional competitors are changing:
 - Consulting companies adding development services

IS-7b



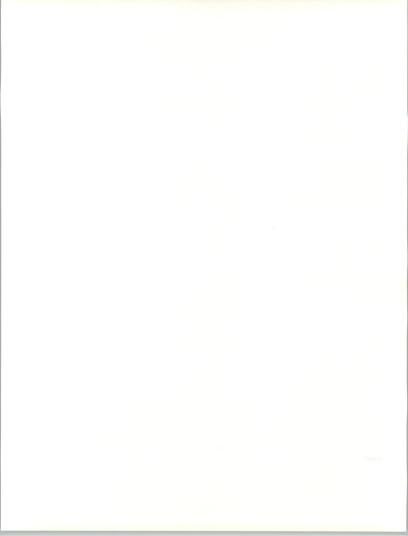


Information Services Market Structure—1990s Emphasis on Supporting Services



IS-11

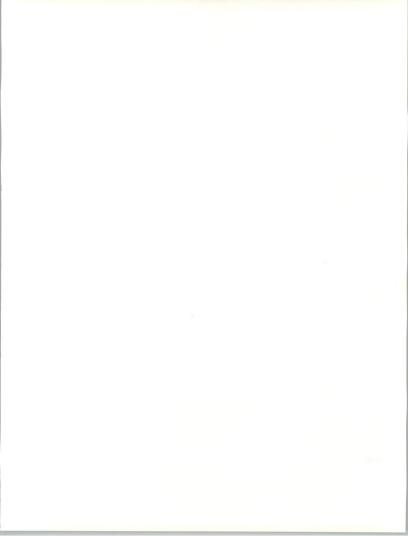




IS Outsourcing Areas

- 1. Systems operations
- 2. Applications maintenance
- 3. Applications management
- 4. Network operations
- 5. Desktop services





Focus

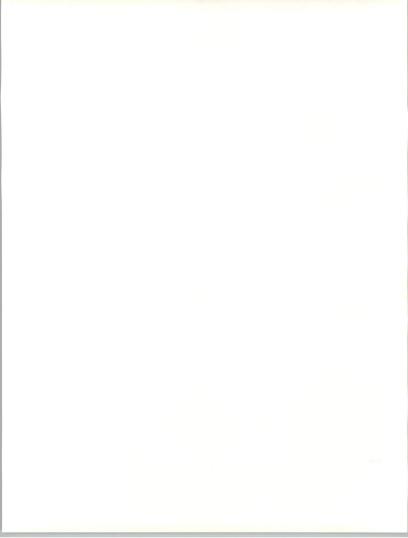
Systems integration (SI)
Systems operations (SO)



"Outsourcing" vs. Buying Services

- Greater commitment on part of buyer
- "Partnership"
- Responsibility/risk for vendors

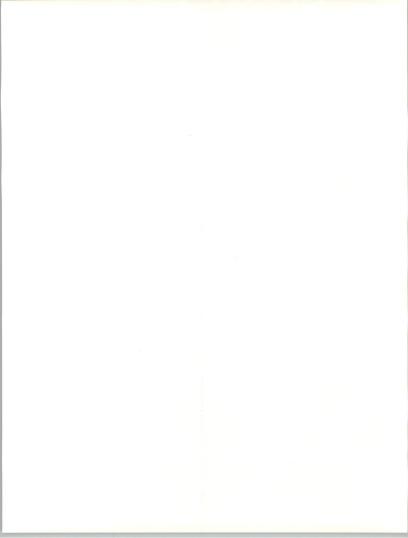




Organization/IS Impact

Outsourcing	Impact		
Category	Operational	Tactical	Strategic
Applications Management	High	High	Medium
Systems Operations	High	Medium	Medium





Organization/IS Impact

Outsourcing	Impact		
Category	Operational	Tactical	Strategic
Applications Maintenance	High	Medium	Low



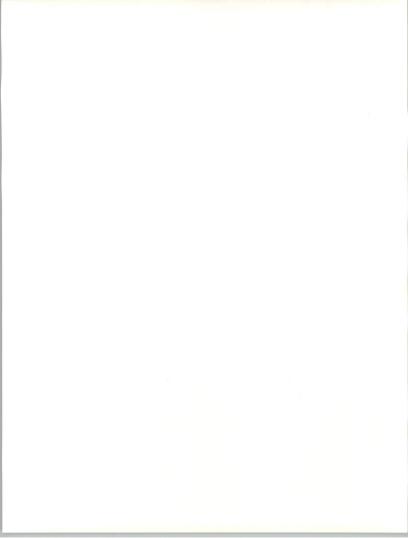


Evolution of Outsourcing

Product/Service	1970s	1990s
Applications Software	Applications Packages	Applications Management
Professional Services	Consulting → Contract Prog	Applications Maintenance

OU-18a





Evolution of Outsourcing

Product/Service	1970s	1990s
Processing Services	Specific _ Proc Serv	Systems Operations
Networking Services	Value-Added_ Networks	Network Operations

OU-18b



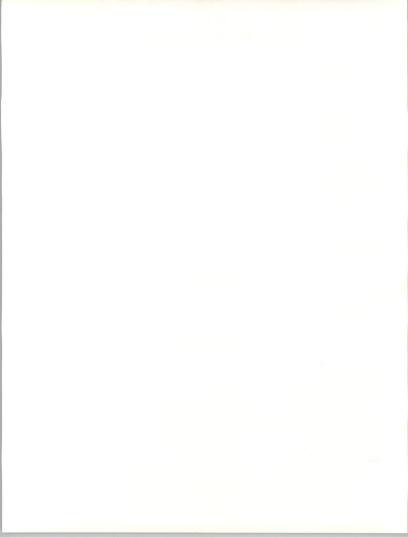


Ground Rules

- Employer Services desires an outside view of potential business opportunities
- Assessments/recommendations based on an "informed outsider's" view of Employer Services business

YWAD1-10



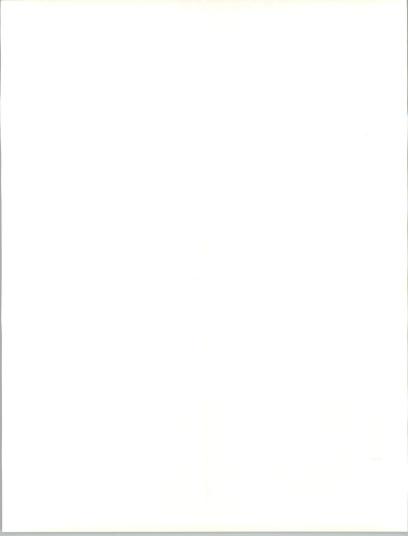


Ground Rules

- No briefings by Employer Services on
 - Objectives
 - Current business
 - Business plans
 - Opportunities evaluated
 - Plans

YWAD1-11





Ground Rules

- Suggestions/recommendations are meant to provoke thought and discussion.
 - All require additional research and analysis.

YWAD1-12

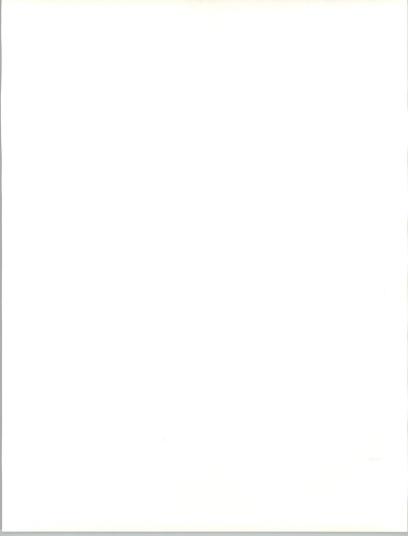




Ground Rules

- Some may not prove feasible or desirable for Employer Services.
- Some may have a large information service component but are not information services, per se.





INPUT's View of ADP/Employer Services

- Objectives
- Market base
- Operating characteristics
- Attitude toward technology
- Business culture

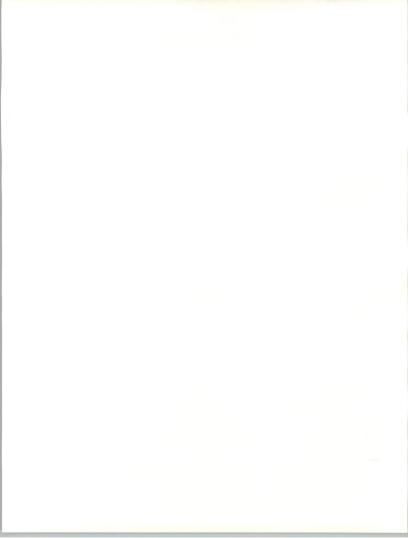




ADP/Employer Services Objectives

- EPS: Double digit growth
- Revenues: Double digit growth
- Market segment leadership
 - Market share
 - Potential to be in top three



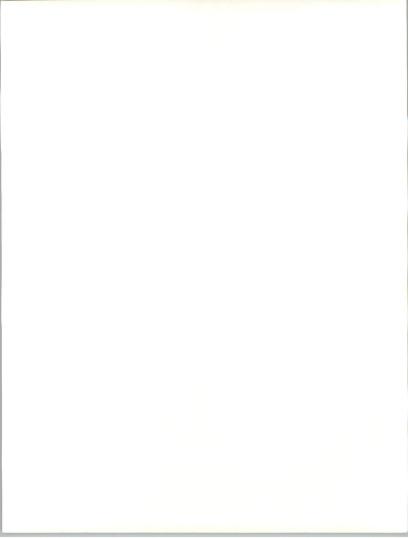


ADP/Employer Services Market Base

- "Heartland" customers (25 1,000 employees)
 - Principal business base
 - Twenty percent penetration
 - Small penetration in larger companies

YWAD1- S





ADP/Employer Services Market Base

- HR, Payroll
 - Support functions, little competitive advantage
 - Mid-level, specialized buyers
 - Focussed sales force
- Repetitive (processing) services

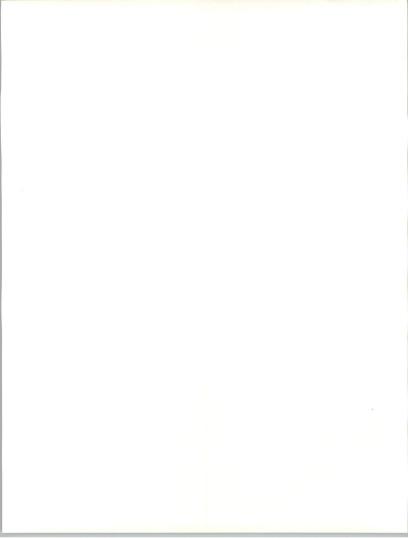




ADP/Employer Services Operating Characteristics

- Disciplined operations, execution
- · Mastery of detail
- Standardized processes and results
- Management of large data bases
 - Personal information
 - Financial information

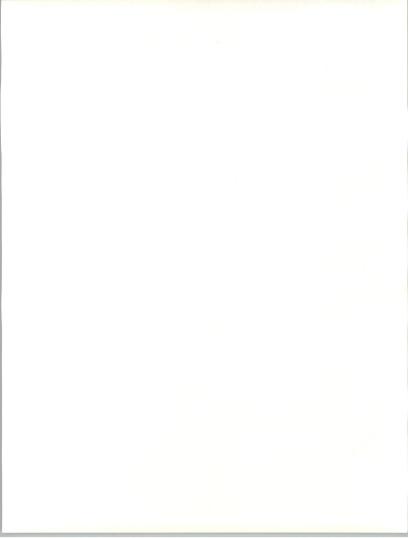




ADP/Employer Services Operating Characteristics

- Able to deal with a complex, changing environment
 - Legislation and government rule making
 - Customer employment practices

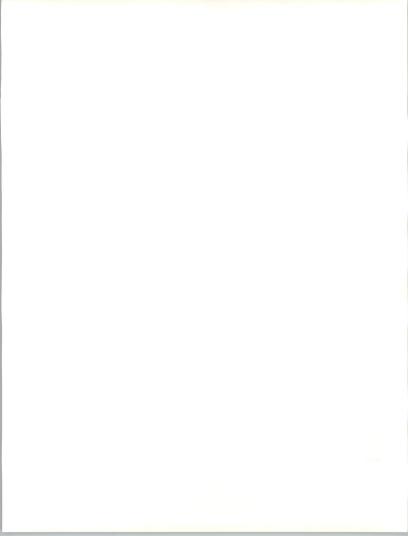




ADP/Employer Services Attitude Toward Technology

- A means, not an end: efficient, standardized operations
- Cost control: very important
- Leading edge technology viewed as:
 - Costly
 - Risky

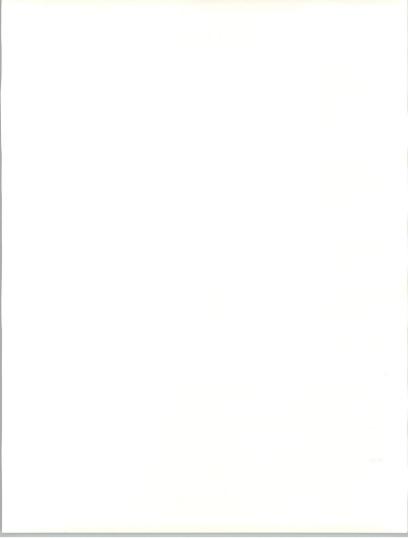




ADP/Employer Services Business Culture

- Offerings are:
 - Focussed
 - Changed incrementally
- Business unit has been risk-averse re: Unrelated businesses Technology-driven offerings

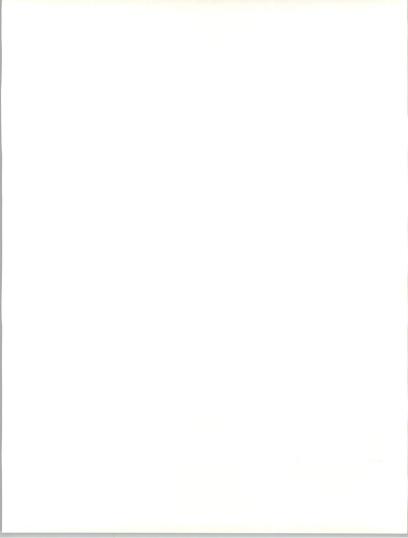




INPUT'S Assessment of General Opportunities

- "Template" for judging opportunities
- Potential areas





"Template" for Judging New Opportunities

- Meet financial/market share objectives (not always immediately)
 - Investment, start-up
 - Critical mass build-up (market share, efficiency)

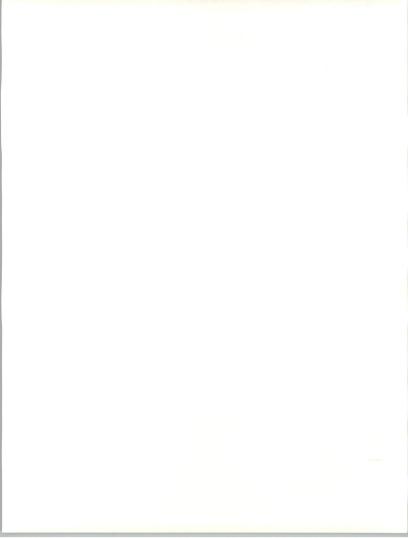




"Template" for Judging New Opportunities

- Services attractive
- Independently offered products: rarely attractive
- High technology component not attractive

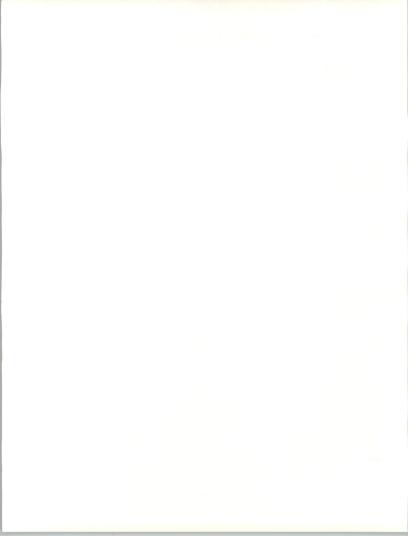




"Template" for Judging New Opportunities

- Should be related to current business in at least one of the following:
 - Delivery mode
 - A business support function
 - Customer set

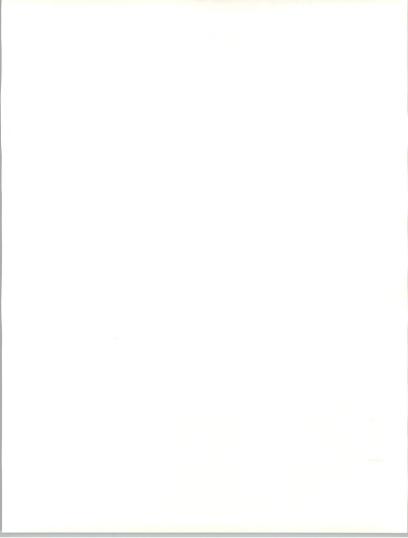




Large Business Requirements

- Often, decentralized business units within a centralized administrative framework
- Complex, changing organizations





Large Business Requirements

 Complex, change-resistant support systems—IS and/or management conflicts between "single data base" and distributed applications

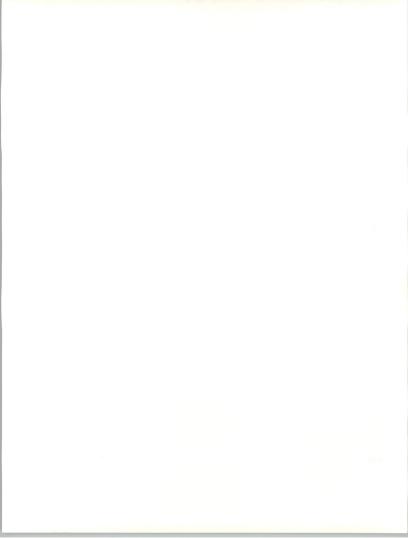




Large Business Requirements

- Unique, custom-built systems environments caused by:
 - Real needs (competitive advantage)
 - Perceived needs (competitive advantage)
 - Accumulation of historic systems
- Increasing interest in outsourcing





Potential Opportunity Areas

- Broaden, deepen current niche (payroll/HR processing)
 - Ongoing process
 - Not addressed by INPUT at this time





Potential Opportunity Areas

- Expand into other business support functions
- Expand into other delivery modes
- Expand beyond Heartland customer set
 - Small businesses (secondary target, excluded from this analysis)

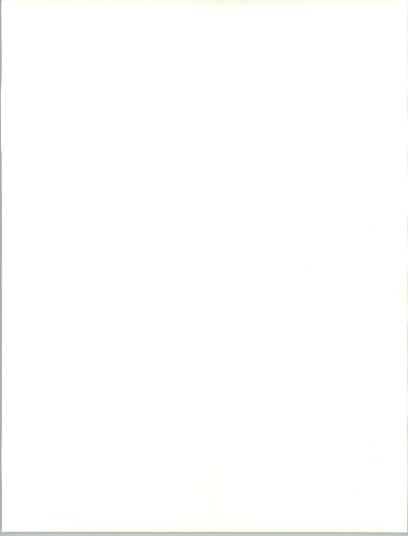




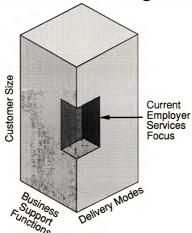
Potential Opportunity Areas

- Government (excluded from this analysis)
- Large businesses

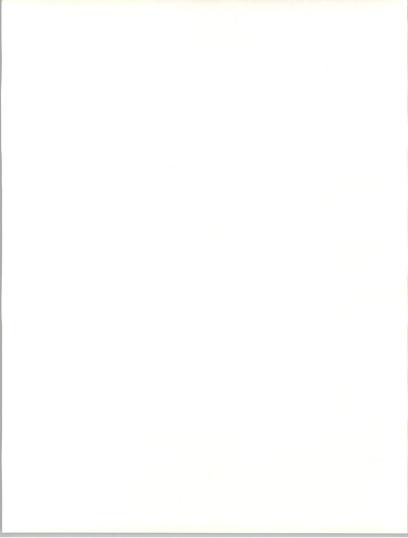




Employer Services Segment Focus







Examination of Specific Areas and Opportunities

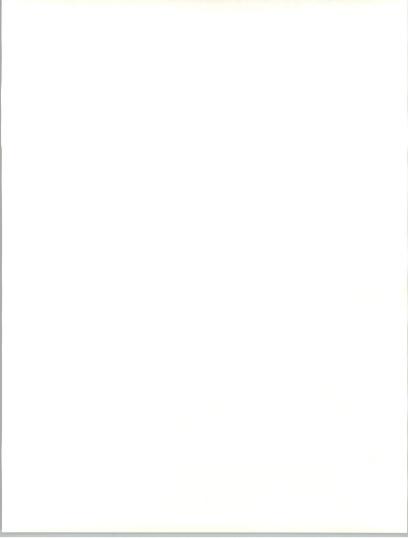
- Delivery modes
- Vertical markets
- Cross-industry business support





Systems Operations (SO)

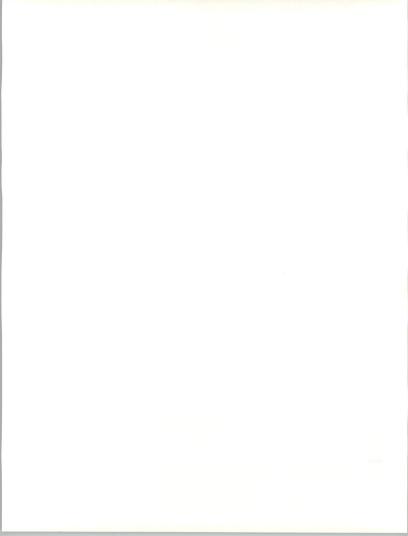
SO- 1



Template for Platform Operations

Criteria	Acceptability
Financial/market share Service	Yes Yes
Low/medium technology Related to current business	Yes (usually)

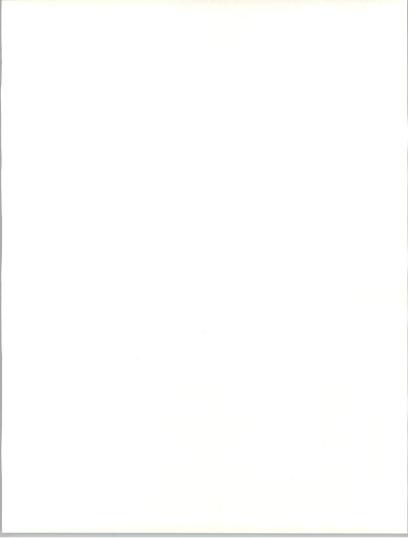




Applications Support

- Payroll, HR
- Potentially, other business support functions, e.g.,
 - Purchasing/accounts payable
 - Billing/accounts receivable





Applications Support

- Leverage processing core
 - Standardize customer software (all, part; sooner; later)
 - Standardize support procedures
- Could lead into larger outsourcing business: business support

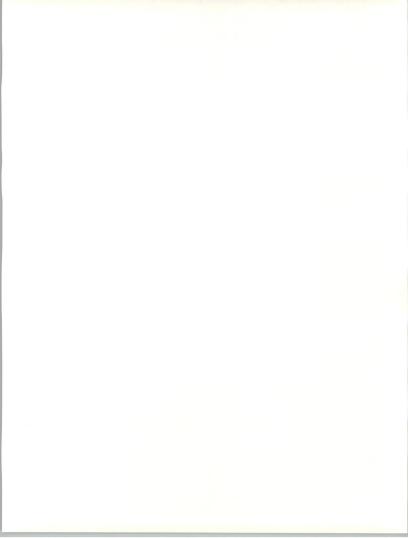




Template for Applications Support

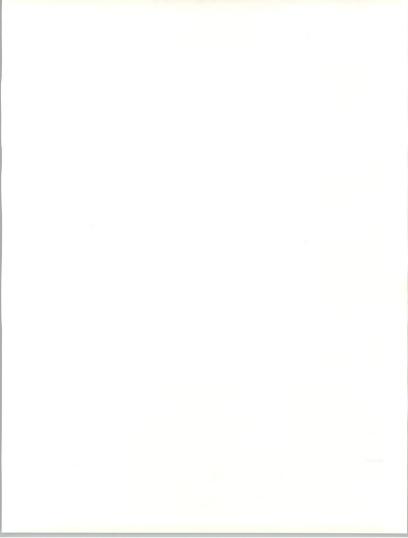
Criteria	Acceptability
Financial/market share Service Low/medium technology	Yes Yes Yes
Related to current business	Sometimes





Systems Integration

81-



System Integrated Related Opportunities Employer Services

- "Pure" SI build only
 - Target payroll, HR initially
 - Requires new/refocussed ADP skills
 - High degree of customization
 - Lumpy, episodic business
 - Probably not attractive

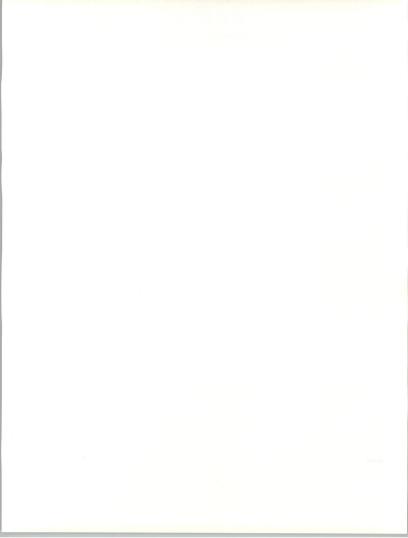




System Integrated Related Opportunities Employer Services

- SI/SO build/operate
 - Entree into large accounts
 - Meets more Employer Services criteria
 - SI component through partnering
 - Gradually introduce standard components
 - Better service
 - · Reduce costs





Template for Systems Integration

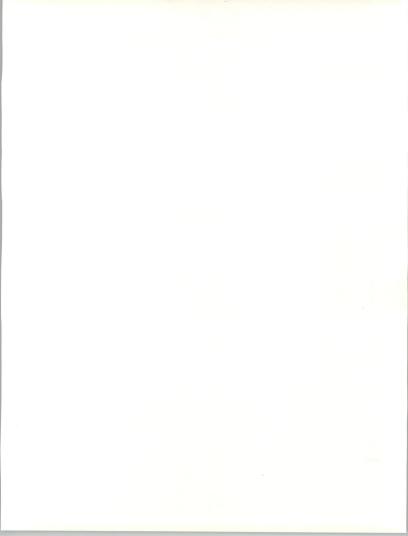
Criteria	Acceptability
Financial/market share Service Low/medium technology	Yes No Yes
Related to current business	Sometimes





On-Line Data Bases

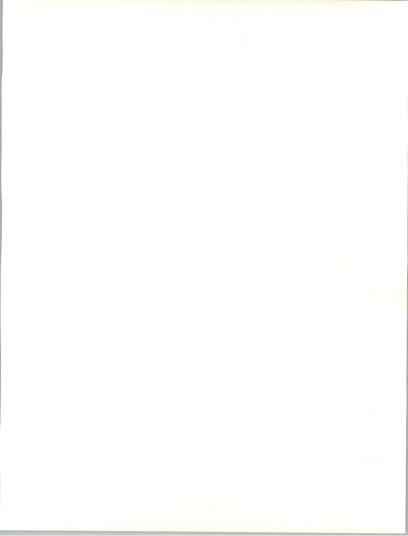




Template for Credit Reporting Data Base (Sample)

Criteria	Acceptability
Financial/market share	Yes
Service	Yes
Low/medium technology	Yes
Related to current business	Partial





Consumer Services: Concept

- Utilize data base on ten million employees
 - Actual personal information
 - Data base capabilities





Consumer Services: Concept

- Third party data base provider
- Market directly to individuals (e.g., financial services)
- Market through payroll customers to individuals (e.g., 401K)

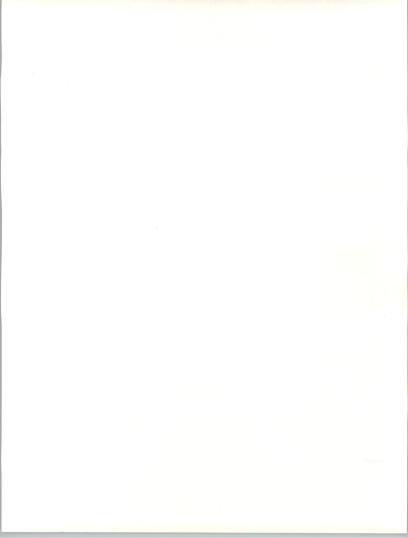




Consumer Services: Questions

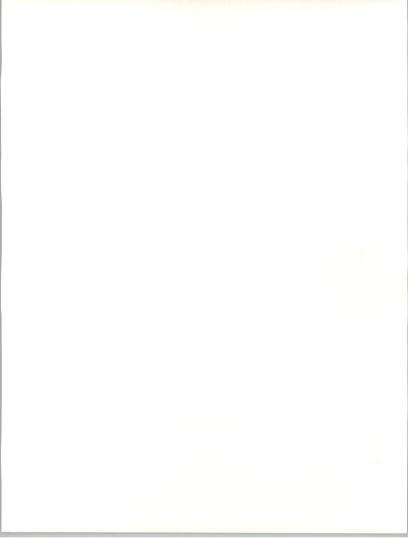
- Legal protection of payroll/HR information
- Direct provision of services to consumers inadvisable
- Consumer purchasing behavior data base experience totally different than HR data bases





Other Delivery Modes

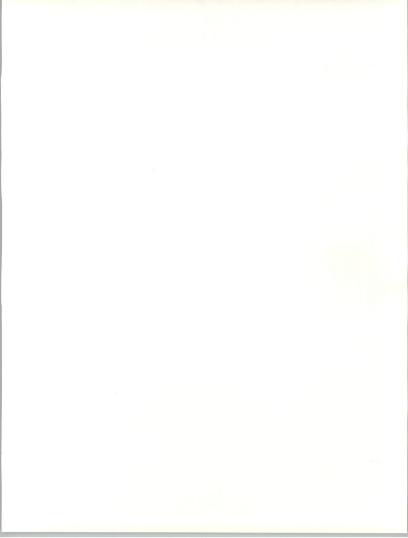




Template for Systems Software Products

Criteria	Acceptability
Financial/market share	Yes
Service	No
Low/medium technology	Varies
Related to current business	No





Consumer Services: Questions

- Core of 401K business is marketing and management, not processing
- Payroll customers may be resistant to be marketed through





Template for Application Software Products

Criteria	Acceptability
Financial/market share	Yes
Service	No
Low/medium technology	Yes (usually)
Related to current business	Sometimes





Template for Turnkey Systems

Criteria	Acceptability
Financial/market share Service	Yes (?) No
Low/medium technology	Yes
Related to current business	Sometimes





Delivery Modes and Employer Services

Criteria: Summary

Delivery Mode	Meets ADP Criteria?
Processing*	Yes
 Outsourcing Platform operations Applications support Entire business/ departmental functions 	Probably no Yes Yes

YWAD1-22

*Current Segment

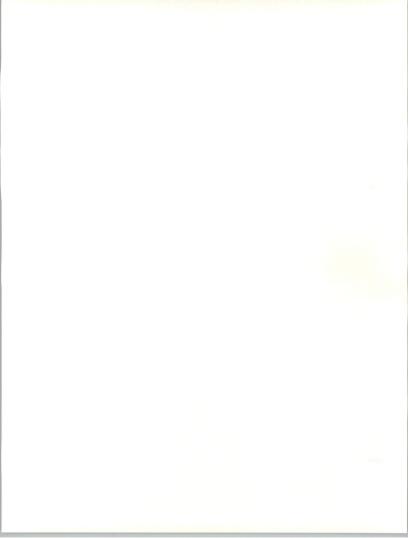




Delivery Modes and Employer Services Criteria: Summary

Delivery Mode	Meets ADP Criteria?
Systems Integration	Maybe
Information Data Base	Yes, if supplier proprietary
Software Products • Systems Software • Applications Software Turnkey System	No Probably no Probably no





Vertical Markets

VM-

INPUT

INPUT



Vertical Market Requirements

- Vertical knowledge, embodied in software and/or people.
 - Principal delivery modes:
 - Applications software products
 - Professional services
 - Systems integration





Vertical Market Requirements

- Increasing follow-on market for systems operations
- Little ability to build on Employer Services business
- Potential conflict with other ADP units





Cross-industry Business Support





Business Support Functions (Examples)

- Payroll*
- Human Resources*
- Purchasing/Accounts Payable
- Billing/Accounts Receivable

* Current segments





Business Support Functions (Examples)

- Order Processing
- Credit Authorization
- Health Claims Management
- Benefits Management





Recommendations

- Focus on core services
- Outsource other activities

Source: HBR Article

OU-





Outsourcing

- Outsource non-competitive activities
- Outsourcing builds flexibility
- Outsourcing allows focus

Source: HBR Article

OU-5





Business Function Outsourcing Markets

	1991	1992
Processing Services	Limited functionsMature market	•Same
Applications Support	Functions vary	Potentially all functions
	Growing market	•Very large (?)





Business Function Outsourcing Markets

	1991	1992
Business Function Support	Infant market	Potentially all functions
Support		• Large (?)





Outsourcing Vendors

- Approaches differ greatly
- Variety of capabilities needed
- Partnerships/alliances result

OU-13





Template for Business Function Outsourcing

Criteria	Acceptability
Financial/market share Service	Yes (?) Yes Yes (usually) Sometimes
Low/medium technology	Yes (usually)
Related to current business	Sometimes





Summary

- Employer Services to become Corporate Services?
- Long term target: horizontal back office services
 - Processing -- systems operations
 - Applications support → department support
 - Payroll/HR→ other functions





Summary

- Separate opportunity: on-line data base supplier
 - Proprietary data
 - Corporate customers





Next Steps

- Prioritize opportunities
- Additional analysis, sizing of selected opportunities
 - Further refinement of offerings
 - Sizing





Next Steps

- Additional research may be required for sizing, growth, customer characteristics
- Identification of offering vehicle
 - In-house
 - Partnering
 - Acquisition



